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Beach Changes at Westhampton Beach, New York, 1962-73

by Allan E. DeWall

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28 meters (96 feet) per year. Profile lines updrift (east) of the groin field accreted at a rate of 1.10 meters (3.6 feet) per year as measured at the MSL shoreline and showed an increase of 3.68 cubic meters per meter (1.47 cubic yards per foot) per year in sand stored on the beach above MSL. The shoreline within the groin field accreted at a rate of 3.45 meters (11.3 feet) per year and the beach unit volume increased at a rate of 11,92 cubic meters per meter (4.75 cubic yards per foot) per year, including beach fill. Downdrift of the groin field the profiles showed an average MSL shoreline gain of 0.66 meters (2.2 feet) per year and an average unit volume loss of 0.12 cubic meter per meter (0.05 cubic yard per foot) per year. The largest changes measured resulted from the storm of 22 March 1973, which eroded the shoreline an average of 20 meters (65.6 feet) and removed an average of 29 cubic meters per meter (11.6 cubic yards per foot) of beach front above the MSL elevation. changes were found to be seasonal, with the least amount of sand above MSL from January to May. The data taken provide no information on profile changes below MSL, either natural changes or changes caused by the groin field. However, bathymetric survey data collected within the groin field by the U.S. Army Engineer District, New York, and summarized in this report show that underwater changes are larger than changes on the beach and occasionally are opposite in sign.

PREFACE

This report is published to provide coastal engineers with a description of beach changes at Westhampton Beach, New York. The 11-year study was begun shortly after the catastrophic storm of 5 to 9 March 1962 and was designed to measure the response of a relatively unstructured beach to seasonal changes as well as storm events. However, 3 years after the surveys were begun, a field of 15 groins requiring 5 years to complete was constructed. Some of the effects of this groin field and associated beach fill are included in this report. The work was carried out under the coastal processes program of the U.S. Army Coastal Engineering Research Center (CERC).

The report was prepared by Allan E. DeWall, Geologist, under the supervision of Dr. C. Galvin, formerly Chief, Coastal Processes Branch, Research Division.

Data collection was accomplished by the Survey Branch, U.S. Army Engineer District, New York, under the direction of W. Muszak, as part of the CERC Beach Evaluation Program (BEP) under the successive supervision of J. Caldwell, J. Darling, C. Galvin, C. Everts, and A. DeWall. Data reduction and analysis were accomplished with the assistance of B. Sims, J. Buchanan, M. Czerniak, W. Seelig, M. Fleming, T. Lawler, L. Adkinson, E. Kohler, J. Jones, P. Campos, F. Weinman, and J. Headland. Spectral analysis of wave gage data was done by the Coastal Oceanography Branch.

Special thanks are extended to the wave observers, including students of Southampton College, under the direction of Professor C.L. McCormick; F. Zimmer and N. Ackerson of the Long Island State Park Commission; M. Stephenson, C. Douhan, and J. Keller of the Fire Island National Seashore; and Chief Hickson of the Suffolk County Parks Commission. The author acknowledges and appreciates the helpful review comments from Dean M.P. O'Brien, Dr. R.L. Wiegel, and Mr. G.K. Nersesian.

Comments on this publication are invited.

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TED E. BISHOP

Colonel, Corps of Engineers Commander and Director

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CONVERSION FACTORS, U.S. CUSTOMARY TO METRIC (SI) UNITS OF MEASUREMENT

U.S. customary units of measurement used in this report can be converted to metric (SI) units as follows:

Multiply	by	To obtain
inches	25.4	millimeters
	2.54	centimeters
square inches	6.452	square centimeters
cubic inches	16.39	cubic centimeters
feet	30.48	centimeters
	0.3048	meters
square feet	0.0929	square meters
cubic feet	0.0283	cubic meters
yards	0.9144	meters
square yards	0.836	square meters
cubic yards	0.7646	cubic meters
miles	1.6093	kilometers
square miles	259.0	hectares
knots	1.852	kilometers per hour
acres	0.4047	hectares
foot-pounds	1.3558	newton meters
millibars	1.0197×10^{-3}	kilograms per square centimeter
ounces	28.35	grams
pounds	453.6	grams
1	0.4536	kilograms
ton, long	1.0160	metric tons
ton, short	0.9072	metric tons
degrees (angle)	0.01745	radians
Fahrenheit degrees	5/9	Celsius degrees or Kelvins ¹

 $^{^1\}mathrm{To}$ obtain Celsius (C) temperature readings from Fahrenheit (F) readings, use formula: C = (5/9) (F -32).

To obtain Kelvin (K) readings, use formula: K = (5/9) (F - 32) + 273.15.

BEACH CHANGES AT WESTHAMPTON BEACH, NEW YORK, 1962-73.

by Allan E. DeWall

I. INTRODUCTION

Beach changes observed during repeated surveys at Westhampton Beach, New York, conducted by the Corps of Engineers from 1962 to 1973, are analyzed as part of the U.S. Army, Coastal Engineering Research Center (CERC) Beach Evaluation Program (BEP) (formerly known as the Pilot Program for Improving Coastal Storm Warnings or Storm Warning Program). The BEP's objective is to measure beach and dune changes due to erosion and accretion at selected localities and relate these changes to the coastal processes producing them. The BEP was a direct outcome of investigations into the effects of the Great East Coast Storm of March 1962 (see U.S. Congress, 1962). Twelve beaches in the region hardest hit by that storm (Massachusetts to North Carolina) are presently under study in this program. The surveying at Westhampton Beach is coordinated by CERC; the U.S. Army Engineer District, New York, is responsible for the fieldwork.

This report presents an analysis of beach profile changes at Westhampton Beach, documents the precise location of the surveyed profile lines, and describes the survey procedures used and accuracy obtained in repetitive surveys to wading depth.

Profile changes are analyzed in three parts: (a) short-term changes, including storm-induced changes and other changes between surveys; (b) long-term changes, including seasonal and yearly changes; and (c) some effects of a groin field and beach fill constructed during the study period. The variables analyzed include the mean sea level (MSL) shoreline position and the volume of sand stored on the beach above the MSL datum. Apparent trends in beach changes are correlated with observed wave conditions.

Volumetric change data to -6 meters MSL obtained before, during, and after groin construction are also presented (U.S. Army Engineer District, New York, 1976).

Metric units are used throughout this report except for specifications in data collection and computer processing where U.S. Customary units are given with the metric equivalent.

II. STUDY AREA

Westhampton Beach is a barrier island located on the south shore of Long Island, approximately 120 kilometers northeast of New York City (Fig. 1). The barrier island is 22 kilometers long, and ranges from 150 to 800 meters wide. The island is bounded on the east by Shinnecock Inlet and on the west by Moriches Inlet, and is separated from the Long Island "mainland" by the shallow Shinnecock and Moriches Bays and by

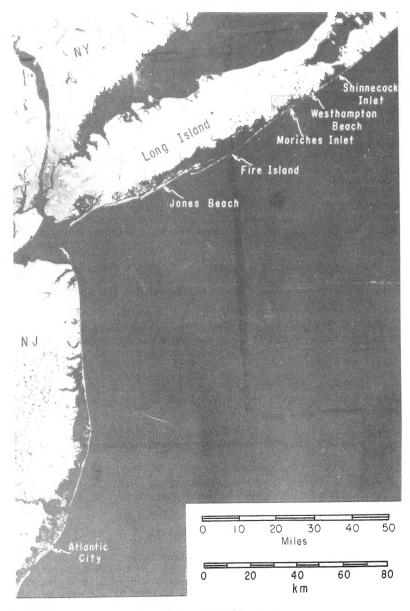


Figure 1. Location map.

dredged canals in the center part. The island encompasses the village of Westhampton Beach, the communities of Tiana Beach and Quogue, and the Copsoque Beach Park.

The geomorphology and geologic history of the south shore of Long Island have been summarized in Beach Erosion Board (1960), Taney (1961a), U.S. Army Engineer District, New York (1963, 1969), and Heikoff (1976).

Since the shoreline of Westhampton Beach trends N. 70° E., it is parallel to wave crests coming from the south-southeast. The ocean beaches consist of medium to coarse grain (0.3 to 1.2 millimeters or 1.7 to -0.3 phi; Taney, 1961b) quartz sand and are approximately 75 to 125 meters wide from the frontal dune to the mean low water (MLW) shoreline (Figs. 2 and 3). Maximum dune elevations range from 4.6 to 7.6 meters above MLW, with the higher elevations occurring on the eastern profiles.

Tides are semidiurnal with a mean range of 0.9 meter and a spring range of 1.1 meters. Mean wave height, from visual breaker observations between 1968 and 1973, is 0.73 meter; mean period is 8.1 seconds.

The direction of net longshore sand transport is from east to west and the average net rate has been estimated to be about 230,000 cubic meters per year at Shinnecock and Moriches Inlets (U.S. Army Engineer District, New York, 1971). Net transport rates decrease eastward along the south shore of Long Island due to increasing exposure to waves from the southwest.

Twin jetties were constructed between 1947 and 1954 at both Moriches and Shinnecock Inlets, together with revetments along the west shore of each inlet. The jetties at Shinnecock Inlet were completed about 2 years before those at Moriches Inlet. Three separate dune-fill projects on Westhampton Beach were completed by the State of New York in 1951, 1958, and 1967. The last two projects amounted to 116,000 and 76,000 cubic meters of fill, respectively. Additional work by the State and Federal Governments included dune reconstruction after a major hurricane in September 1938, emergency closure of breaches in the barrier opened in 1954 (Hurricane Carol) and during the 6, 7, and 8 March 1962 northeaster (vicinity of profile line 7, Fig. 4), construction of a field of 15 groins, and associated beach fill. A total of 864,000 cubic meters of fill material, with median grain size of 0.35 millimeter, was placed along the beach front after the March 1962 storm.

Groin construction was accomplished in two phases (Table 1 and Fig. 4). Eleven groins were constructed between profile lines 5 and 8 during July 1965 to October 1966. The groin field was extended 1,800 meters westward with an additional four groins between August 1969 and July 1970. These additional groin compartments were filled with a total of 1.9 million cubic meters of dune and beach fill, placed during 15 March to 23 May 1969 and 27 to 31 October 1970.

III. DATA COLLECTION PROCEDURE

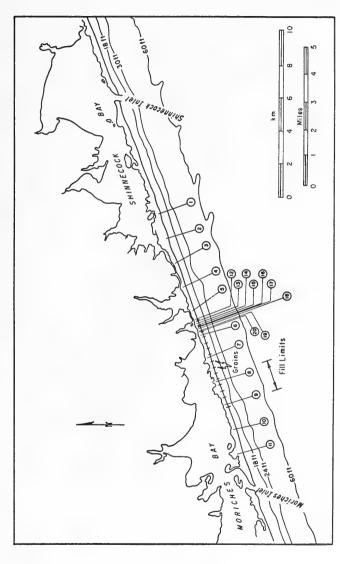
A total of 20 profile lines was established along azimuths perpendicular to the local shoreline (Fig. 4). Profile lines 1 to 11 were



Figure 2. View east from profile line 1 (see Fig. 4), 6 September 1974.



Figure 3. View west from profile line 7 (see Fig. 4), 6 September 1974.



Surveyed profiles extend from dune to wading depth along plotted profile line. Profile line locations, Westhampton Beach, New York. Figure 4.

Table 1. Westhampton Beach groin construction schedule. 1

Groin No. ²	Station ³ (ft)	Started	Completed
1	460 + 84.87	7 July 1965	25 Mar. 1966
2	472 + 74.16	13 Apr. 1966	13 Oct. 1966
3	484 + 66.94	15 June 1965	2 Mar. 1966
4	495 + 77.25	24 Nov. 1965	30 June 1966
5	509 + 38.40	26 May 1965	24 Jan. 1966
6	521 + 42.97	12 Nov. 1965	28 July 1966
7	535 + 42.57	7 May 1965	31 Jan. 1966
8	547 + 83.54	1 Nov. 1965	13 Sept. 1966
9	559 + 52.00	12 Apr. 1965	29 Sept. 1965
10	572 + 63.68	18 Oct. 1965	12 May 1966
11	584 + 98.83	15 Mar. 1965	27 July 1965
12	600 + 34.90	30 Oct. 1969	
13	615 + 25	25 Aug. 1969	
14	628 + 50	22 Oct. 1969	
15	643 + 75	4 Aug. 1969	

¹Data from U.S. Army Engineer District, New York.

²Numbered from east to west.

 $^{^3\}mbox{Groin}$ stationing is reported in feet along the U.S. Army Engineer District, New York, baseline.

⁴Individual completion dates for groins 12 to 15 are not available; construction time was reportedly similar to groins 1 to 11, and all four groins were reportedly completed by 24 July 1970.

established at approximately 1.5-kilometer intervals in 1962. Profile lines 12 to 20 were established in 1972 and located within and just updrift of the two easternmost groin compartments. These profile lines were spaced at an average interval of 92 meters. In 1974, concrete monuments with standard brass Corps of Engineers' discs were placed on each profile line. Each monument was referenced horizontally to the State plane coordinate system (Long Island Lambert) and vertically to a local MLW datum (approximately 0.43 meter below mean tide level) established by the New York District. Monument documentation is given in Appendix A.

Profile surveys were collected by professional surveyors from the New York District, using the transit and stadia method (Fig. 5). Surveys were conducted along the established profile lines, starting in the vicinity of the primary dume crest and continuing as far seaward as a rodman could safely wade. At low tide, when surveys were usually scheduled, the profiles generally crossed the MLW datum. Onshore winds or high waves occasionally kept the rodman from reaching the MSL elevation. Occasionally, an amphibious vehicle (LARC V) was used to carry the rodman along the seaward part of the profile line (Fig. 6).

Only one instrument setup per profile was usually made. If, at the seaward end of the profile, the stadia rod was too low to be sighted when leveling, the rodman often used the "booting" method to get the needed elevation by placing the bottom of the rod at a premeasured elevation (such as the rodman's boot top or belt), which would bring the top of the rod back into the level line-of-sight.

The surveyed points defining the profile were recorded to the nearest 0.1 foot (0.03 meter) in distance and to the nearest 0.01 foot (0.003 meter) in elevation. For analysis purposes, these values were reported to the nearest 1.0 foot (0.3 meter) for distance and 0.03 meter for elevation. Points were surveyed approximately every 8 to 15 meters and at every visible change in slope.

The data obtained during the 1962-68 period were recorded in standard surveyor's field notebooks and plotted at a scale of 1:60 vertical and 1:600 horizontal. The 1969 to 1973 data were transcribed from the field notebooks to optical scanner forms.

The frequency of surveys ranged from weekly to quarterly, but they were generally done on a near-monthly schedule (Fig. 7). During each of the winters of 1967-68, 1968-69, and 1969-70, a series of 10 weekly surveys was made on profile lines 1 to 11. An attempt was also made to survey all lines immediately after significant coastal storms.

During the winter months of 1968 to 1974, rows of pipes were jetted into the sand at surveyed points along profile lines 4 and 8. Weekly sand level measurements were made by volunteer observers as a supplement to the instrument surveys. This project and an analysis of the first season's data are discussed in Urban and Galvin (1969).



Figure 5. Transit and stadia board used for profile surveys.



Figure 6. Rodman using LARC V to obtain surf zone bottom elevations.

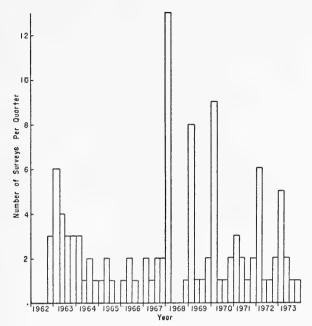


Figure 7. Frequency of surveys at Westhampton Beach.

IV. DATA ANALYSIS

Copies of the hand-plotted profiles from 1962 to 1968 were digitized at each of the surveyed points using an Auto-Trol 3400 digitizer and the resulting data were stored on magnetic tape. Data collected after 1968 were transcribed directly to optical scanner forms (International Business Machines Corporation, 1968) and converted to punchcards automatically. Hand-plotted data were edited for unreasonable values before digitizing. However, it was necessary to edit the directly coded data before storage on magnetic tape. Data corrections were verified with the original survey books or by the surveyors, rather than being arbitrarily made in the office. The basic data for this report are tabulated in Appendix B. Distances (feet) are referenced to the MLW datum.

The profile data were analyzed for changes in MSL shoreline position (App. C) and changes in unit volume between surveys (App. D). For purposes of analysis, all profile changes were referenced to conditions on the "initial survey date." The initial survey dates for profile lines 1 to 11 and 12 to 20 were 11 October 1962 and 9 August 1972, respectively. The distance-elevation coordinates of the MSL-contour intercept with the initial survey on each profile line were then redefined as the origin (0.0) of a new coordinate system to which all subsequent surveys were

referenced (Fig. 8). Negative distances indicate stations landward of the MSL-intercept with the initial profile; positive distances indicate seaward stations.

For a profile crossing the MSL elevation, the MSL-intercept was linearly interpolated. When a profile did not cross the MSL elevation, but reached the +2-foot MSL elevation, the MSL-intercept was determined by extrapolating the profile along the slope defined by the two seaward-most surveyed points on the profile.

The cross-sectional area under each profile was computed. This area is bounded by three lines: (a) a vertical line projected from the landwardmost distance common to all surveys on a given profile line, (b) a horizontal line at the MSL elevation, and (c) the surveyed profile. The calculation was accomplished by summing 1-foot horizontal slices through the area under the profile (Fig. 9). The area change from the initial survey was then computed by subtracting the initial profile area from each subsequent profile area. Cross-sectional areas were computed in square feet and then converted to unit volume in cubic meters per meter of shoreline (1 cubic meter per meter = 10.8 cubic feet per foot). Areas were not computed under those profiles not reaching the +2-foot elevation at the seaward end.

A time-history plot in Appendixes C and D identifies dates of profile surveys, documented storm events, groin construction, and beach fill.

The plots in Appendix E are profile envelopes; i.e., the plots show two lines drawn through the upper and lower extremes of the surveyed sand elevations on each of the profile lines. The envelope of extremes usually contains points from many different surveys, rather than trace a particular eroded or accreted profile found during one survey.

V. RESULTS

During the 11-year study, 1,291 profile line surveys were collected. Surveys were scheduled monthly (or more often) for the first 18 months (Fig. 4). This frequency dropped to (approximately) quarterly surveys during 1964 to 1967. From 1968 to the end of the study, the data collection effort was concentrated during the winter months when there was a higher probability of the occurrence of northeasters. Scheduled surveys were generally bimonthly during the calmer weather of late spring to early fall.

The profile changes analyzed in this report are grouped by short-term and long-term changes. Short-term changes are changes measured between surveys; i.e., changes which occur over an interval of a few hours or days (in the case of storms) or over a few months (in the case of seasonal changes). Long-term changes that can be identified in the profiles include the yearly changes and may suggest longer term trends reflecting a relative rise in sea level and barrier island migration.

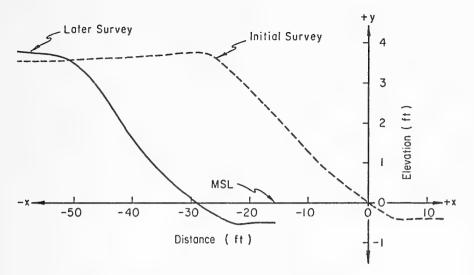


Figure 8. Profile coordinate system.

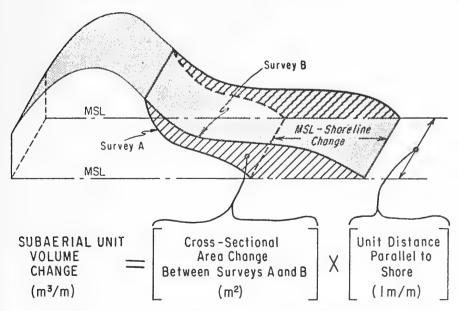


Figure 9. Definition of MSL shoreline change and subaerial unit volume change.

Changes in the MSL shoreline position and unit volume for profile lines 1 to 11 during the study period are summarized in Figure 10. The same changes also appear in Appendixes C and D, with distances and volumes referenced to the MSL position and beach volume in October 1962. These data show alternating intervals of accretion and erosion throughout the study, with only small net changes on the profile lines away from the influence of the groin field. The changes on profile lines 5 to 9 are a result of the groin field and artificial fill. Profile lines 1 to 4 are presumably undergoing more "natural" changes, although these changes may also be caused by the groin field. The U.S. Army Engineer District, New York (1976) has suggested that the changes measured on the easterly profiles are influenced by the placement of dredged material from the Intracoastal Waterway, which runs along the north side of the barrier island. However, the quantities and extent of dredged-material placement are not well documented.

1. Short-Term Changes.

Twenty-eight pairs of profile surveys were made shortly before and after significant coastal storms (Table 2). Typically, these storms are winter northeasters—extratropical low-pressure systems which develop inland, strengthen as they reach the coast, and then move fairly rapidly toward the north-northeast. The storms listed in Table 2 are not the only storms which occurred during the study, and may not even include the most damaging storms. For example, the majority of the listed storm changes occurred during the three scheduled 10 weekly surveys (17 of 28 storms). The table also shows that very few surveys were made immediately after storms. Since there is often a very rapid recovery of the beach immediately after storm erosion, the changes shown in Table 2 are considered to be conservative estimates.

A detailed analysis of the 17 December 1970 storm (a moderate northeaster) and its effect on the profile lines at Westhampton Beach is presented in DeWall, Pritchett, and Galvin (1977). The September 1967 storm (Hurricane Doria) generated coastal waves up to 4.6 meters in height, as measured by the CERC wave gage at Atlantic City, New Jersey (Fig. 1).

The beach profile change data in Table 2 are average values of the change in MSL position and unit volume above MSL for profile lines 1 to 11. Changes by profile line for each of the storms are plotted as histograms in Figure 11, which clearly shows that for any given storm both accretion and erosion occurred at different profile lines. The figure also shows that a given profile line may have undergone significant erosion during one storm and significant accretion during another. The greatest amount of erosion that was measured resulted from the storms of March 1973, 18 February 1969, February 1972, and September 1967 (Hurricane Doria).

Two storms during 7 to 12 November 1968 caused considerable property damage near profile line 8 (Fig. 12), but are not included in Table 2 because the prestorm survey was in March 1968. During the interval 27

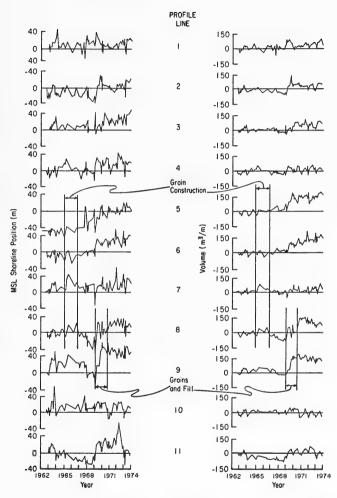


Figure 10. Changes in shoreline position and unit volume at Westhampton Beach, New York.

Westhampton Beach storm change 1 Table 2

		e 7.	on Beach	Westhampton Beach storm changes.	1	
Storm dates		Survey dates	MSL shoreline	eline change	Above MSL unit volume	it volume change
				(m))	(m^2/m)
			(Avg.)	(Std. dev.)	(Avg.)	(Std. dev.)
19 to 22 Oct.	1963	25 Sept., 30 Oct. 1963	68.9	9.87	13,36	16.71
13 Jan.	1964	21 Jan.	-3.39	13.24	-16.63	13.55
10 to 17 Sept.	1967	21 Sept. 1	-16.20	18.31	-25.52	42.77
7 Jan.	1968	11 Jan.	5.07	7.20	0.24	7,75
14 Jan.	1968	11, 18 Jan. 1968 ²	-6.68	11.59	-5.60	10,83
25 Jan.	1968	31	-9.21	7.10	0.37	10,23
8 Feb.	1968	7, 14 Feb. 1968	-6.35	11.93	-2.76	12.20
25 Feb.	1968	21, 28 Feb. 1968	-0.42	9,31	4.65	11,61
1 Mar.	1968	28 Feb., 6 Mar. 1968	3,46	5.34	0.05	5.01
13 Mar.	1968	6, 14 Mar. 1968	-0.51	4.48	-4.61	4.94
18 Mar.	1968		1,03	8,30	0.62	4,13
23 Mar.	1968	22, 27 Mar. 1968	1.50	9,73	-0.62	6.53
22 Jan.	1969	17. 29 Jan. 1969	-7.54	15,81	-8.06	18,69
10 Feb.	1969	7, 13 Feb. 1969	0.87	15.42	7.33	19, 19
18 Feb.	1969	24 Feb.	-14.19	14.24	-28.91	23.73
24 Feb.	1969	24, 28 Feb. 1969 ²	-3.03	13.53	0.32	13.21
2, 7 Mar.	1969	28 Feb., 10 Mar. 1969	6.38	18,39	8,95	24.38
10 Mar.	1969	10, 14 Mar. 1969	4.61	8.12	2.78	9,91
11 Dec.	1969	25 Nov., 20 Dec. 1969	-3.13	7.85	-8.78	25.94
20 to 27 Dec.	19693	20 Dec. 1969, 15 Jan. 1970	3,74	12,11	5.81	32.81
21 Jan.	1970	15, 22 Jan. 1970	2.83	8.20	6.77	13,16
15 Apr.	19703	13 Mar., 7 May 1970	2.86	13,77.	-5.29	17.91
17 Dec.	1970	1, 18 Dec. 1970	3,91	11.29	-10.44	17,35
	1972	31 Jan., 5 Feb. 1972	-1.68	9,30	-24.10	20.02
13, 19 Feb.	1972	5, 22 Feb. 1972	-2.12	7.96	-21.26	13,49
16 Dec.	19723	5 Dec. 1972, 3 Jan. 1973	2.11	13,96	-3.03	25,22
9 to 12 Feb.	1973	13 Feb.	-5.81	18,29	-18.84	26.68
22 Mar.	1973	16, 24 Mar. 1973	-20.52	16.35	-29,18	19,55
Average chan	ge meg	Average change measured on profile lines 1 to	11: negat	11: negative values indicate erosion	licate erosion	

¹Average change measured on profile lines 1 to 11; negative values indicate erosion, ²Not all profiles reached MSL. ³More than one storm occurred during the interval between surveys.

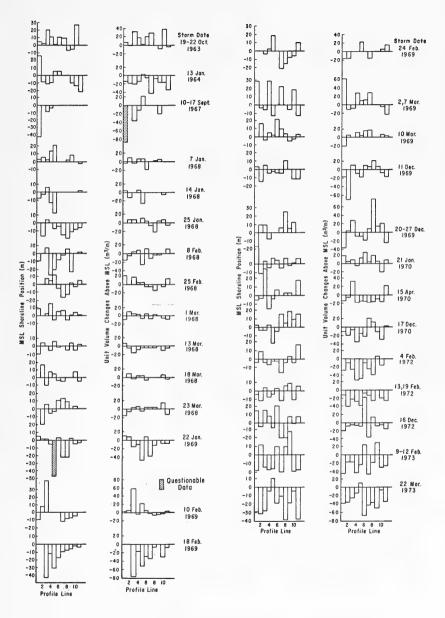


Figure 11. Storm-induced changes at Westhampton Beach.



View of Westhampton Beach after storm of 12 November 1968, west of 11-groin field (in background). Note wreckage of structure and critical condition of the shore. (U.S. Army Engineer District, New York, 1969). Figure 12.

March to 19 November 1968 the shoreline at profile line 8 eroded 18 meters. It is not known what percentage of this erosion was due to the November storms, since the profile was still adjusting to the groin which was constructed 75 meters updrift in 1965. A total of 562,700 cubic meters of sand was lost from the 1,800-meter reach west of the 11-groin field due to the 12 November 1968 storm (U.S. Army Engineer District, New York, 1969). Based on poststorm inspections and examination of air photos, it was reported that the November 1968 storms caused the most damage during this study period (G.K. Nersesian, Chief, New Jersey Planning Group, U.S. Army Engineer District, New York, personal communication, June 1978).

Other than storms, the significant short-term profile changes measured are directly attributable to groin construction and beach-fill events. Losses similar to the large losses previously noted on profile line 8 also appear on profile lines 7, 8, and 9 after completion of the first field of groins (Apps. C and D). During the 2-year period after groin construction, the shoreline at profile line 8 eroded at 20 meters per year, and the unit volume loss was 9 cubic meters per meter per year. These losses confirm that the groins were effectively trapping littoral drift being transported to the west.

The large gains in sand volume observed on profile lines 8 and 9 represent the two beach-fill projects in 1969 and 1970. The emergency fill placed during March, April, and May 1969 is quite apparent on profile line 8 (App. D). The time of this fill coincides with a period of natural accretion observed on most of the other profiles. The second and much larger fill project (27 October 1969 to 31 October 1970) was in conjunction with the construction of groins 12 to 15 (Fig. 4 and Table 1). This fill totaled 1,490,000 cubic meters of material (determined from surveys in the borrow area) placed over 1,800 meters of shoreline. Since the borrow area was in the lagoonal sediments of Moriches Bay, not all fill material was of suitable sand size. Before-and-after surveys of fill on profile lines 8 and 9 indicate that at least 175 cubic meters per meter of material was placed on the beach above MSL. Since the surveys did not include all of the dune profile, this value is a minimum.

2. Long-Term Changes.

In addition to the short-term changes, which are often quite large, the data in Figure 10 suggest that the profiles undergo seasonal cyclic changes and also a longer term net change which may or may not be cyclic.

Figure 13 shows the monthly average MSL shoreline position and unit volume for each of the profile lines. The "zero" MSL position and unit volume in the figure represent the mean of the monthly averages for each profile line. These data show that changes are actually seasonal with the least amount of sand on the beaches from January to May and the most sand on the beaches from June to December. However, relatively few surveys were made in summer, and the data shown in the figure for July are based on only three surveys over the 11 years (1963, 1964, and 1967); therefore the data may be less representative of average summer conditions.

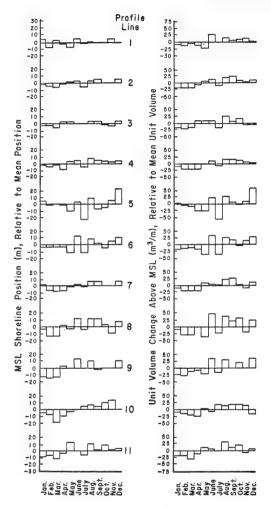


Figure 13. Monthly mean shoreline position and unit volume at Westhampton Beach.

Table 3 shows the rates of change for profile lines 1 to 11 during the interval 1962-73. These change rates were computed by the least-squares method and indicate that with the exception of profile line 10, all profile lines had a net accretion above MSL over the 11-year interval.

Table 3. Rates of profile change on Westhampton Beach, 1962-73.

D 011	Tarte of profitte		04011, 1502 751
Profile line	Distance from	MSL shoreline	Above MSL unit
	profile line 1	change ¹	volume change ¹
	(m)	(m/yr)	(m ³ /m/yr)
1	0	0.15	3.90
2	1,570	0.86	4.19
3	3,119	1.84	4.06
4	4,685	1.56	2.59
5	6,253	5.97	18.17
6	7,699	4.33	13.99
7	9,147	0.89	1.68
8	10,651	2.51 ²	11.67 ²
9	12,253	3.55 ²	14.09^2
10	13,801	-0.28	-1.31
11	15,365	1.59	1.06
Avg.		+2.09	+6.74

¹Positive values denote accretion; negative values, erosion.

3. Groin Effects.

The profile change data in Figure 10 show that the groin field at Westhampton has effectively built up the beaches within and immediately updrift of the field (profile lines 5 to 9). After completion of the first 11 groins, profile lines 5 and 6 began an accretionary trend that is in contrast to the first 3 years of the study when the net change was nearly zero. During the interval between completion of the first 11 groins and completion of the last 4 groins, profile lines 8 and 9 showed an erosional trend, which was reversed and stabilized as a result of the beach fill and additional groin construction. A period of accretion on profile lines 1 to 4, which was generally coincident with accretion measured on profile lines 5, 6, and 7, may also be due to the groins but is interpreted as resulting from other causes.

An independent set of survey data collected in the vicinity of the groin field by the U.S. Army Engineer District, New York, and which extended to below -18 feet (-5.5 meters) MLW, is summarized in Figure 14. These data show a large amount of accretion occurring below MLW during the period of construction. After completion of the first 11 groins, the three easterly compartments continued to accrete; the westerly compartments lost a considerable amount of material. Most of the erosion occurred below the waterline while the above MLW profiles indicated accretion. The three easterly compartments were reported to be filled and bypassing sand by 1972 (G.K. Nersesian, personal communication, June 1978).

²Within the area of direct placement of beach fill.

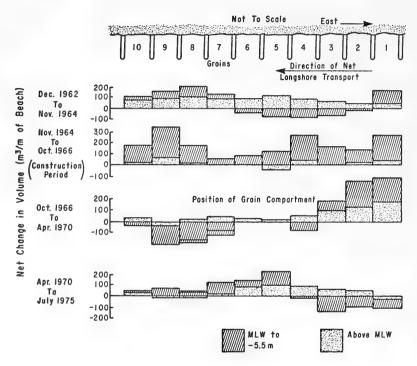


Figure 14. Net volumetric changes within groin compartments, easternmost 11 groins at Westhampton Beach (revised from U.S. Army Engineer District, New York, 1976).

The purpose for establishing profile lines 12 to 20 in 1972 was to determine the effects of the groins at various positions within the two easternmost compartments (Fig. 10). The changes in MSL shoreline position and unit volume for profile lines 12 to 20 are plotted in Figure 15 and summarized in Table 4. The shoreline position in the figure was traced from aerial photos taken after the 19 February 1972 northeaster. The change rates in the table were computed by standard linear regression analysis. These data show that, of the three groins, only groin 1 is impounding sand on its east (updrift) side and losing sand on its west side. Since most of the impounded sand appears to be removed during periods of erosion, only a small net increase in unit volume occurred updrift of groin 1 between August 1972 and December 1973 (0.5 cubic meters per meter). Profile line 13, immediately downdrift of groin 1, has undergone a net erosion with some recovery during the summer. Profile lines 15 and 16 on either side of groin 2 both accreted, while the two profile lines immediately east of groin 3 showed a net erosion. During the 16month interval the two compartments gained a total of 17,940 cubic meters of sand above MSL. The compartment bounded by groins 2 and 3 accreted at a rate 86 percent higher than the compartment bounded by groins 1 and 2. The rates of accretion measured on profile lines 14 and 18, located near the midsection of the two compartments, are significantly higher than the average rates for the compartments. Profiles away from the groin field showed little net change during the same period (Fig. 10).

	Rates of	profile changes	within groin fiel	d, 1972-73.
Profile line	Groin	Distance from	MSL shoreline	Above MSL unit
		groin 1	change	volume change
		(m)	(m/yr)	$(m^3/m/yr)$
12		63	-0.54	+0.49
	1	0		
13		61	-6.39	-4.22
14		182	+8.92	+16.18
15		316	+4.39	+27.03
	2	363		
16		386	+18.98	+37.85
17		416	+24.79	+62.32
18		5 34	+11.77	+26.78
19		669	-6.23	-0.38
20		699	-10.52	-19.01
	3	726		
Avg.		(b)	istance-weighted)	
	1 to 2		+2.37	+12.76
	2 to 3		+8.51	+23.71
	1 to 3		+5.44	+18.24

VI. DISCUSSION

1. Profile Changes.

Previous studies of profile changes at Westhampton Beach have determined shoreline erosion rates of 2 to 3 meters per year for data collected

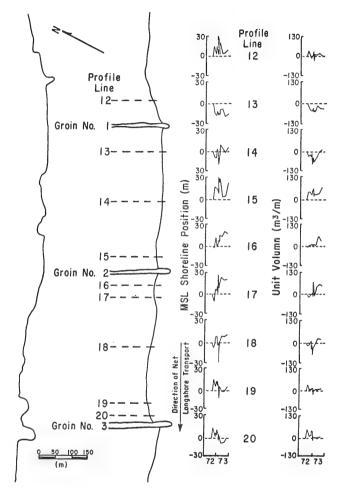


Figure 15. MSL position and above MSL volume within easterly groin compartments, 1972-73.

between 1940 and 1956 (Taney, 1961a; Beach Erosion Board, 1960). Taney has also shown that Westhampton Beach retreated at an average rate of 0.6 meter per year for the interval between 1938 and 1956. This suggests that the accretionary period documented during this study is not typical of the long-term trend. Although much of the overall gain can be attributed to the trapping of littoral drift within the groin field and the placement of fill within the four westernmost groin compartments, significant accretion also occurred on five profile lines that are presumed to be less influenced by the groin field (profile lines 1 to 4, and 11). The profile lines within the easternmost groin compartments and immediately to the east of the groin field generally showed the highest rate of nonfill related accretion. It is not known how much of this accretion might be due to a general recovery from the storm of March 1962.

A natural accretionary trend, coincident with the construction of the Westhampton Beach groin field, is suggested by changes measured on profiles located 2 to 5 kilometers updrift and 3 kilometers downdrift of the groin field. Erosional trends measured on profile lines 2, 3, 4, and 11 from 1962 to 1968 were reversed in 1969. The rapid shoreline advance observed on profile line 11 during 1972 may be a result of fill material migrating westward from the groin field. This material was apparently transported seaward of the shoreline at profile line 10 since there is no indication of it from the beach surveys on that line. Everts, DeWall, and Czerniak (1974) documented an alongshore migration of fill material placed on the beach at Atlantic City, New Jersey. Migration rates of the subaerial "hump" or volume maximum resulting from two separate fill projects were 2 and 3 meters per day. If the 1972 accretion observed at profile line 11 on Westhampton Beach resulted from the 1970 fill, the rate of alongshore movement of the volume maximum from profile lines 9. 10, and 11 would have been 4 meters per day. It is also possible that the general accretionary trend is due to artificial nourishment associated with both the groin construction and with placement of material dredged from the Intra-coastal Waterway.

2. Seasonal Changes and Wave Climate.

Monthly mean wave height and period observations (from three sources) are summarized in Figure 16. The gage data are from a spectral analysis of 1,024-second digital records collected by CERC four times per day, using a pressure sensor located on the sea bottom, offshore of Southampton (Fig. 1). Visual observations of breaking waves on a near-daily basis by volunteer observers at Southampton and Westhampton indicate that the breaking waves arrive more frequently from the southeast (from the left of shore-normal, to an observer on the beach) on a yearly basis. During the summer months the lower waves tend to arrive from the south-southwest, or slightly from the right of shore-normal. A comparison of these data with the average nonfill profile changes summarized in Figure 17 shows that, as expected, the higher steeper waves during the fall and winter months tend to remove sand from the beaches, while the lower less steep summer waves tend to rebuild the beaches. A partial beach recovery in December

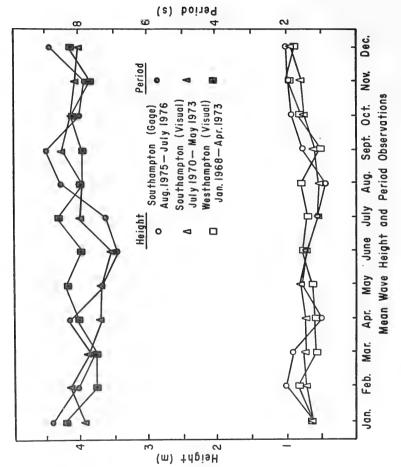
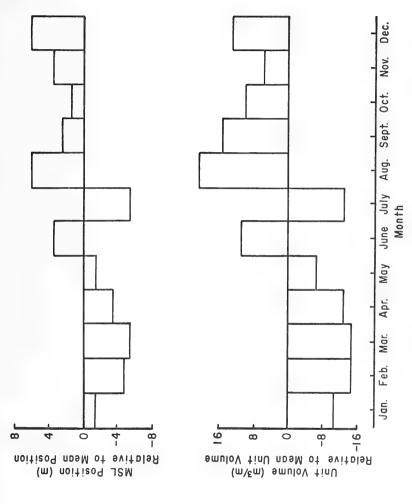


Figure 16. Monthly mean wave height and period observations.



Monthly mean MSL shoreline position and unit volume on nonfill profile lines, 1962-73, Westhampton Beach (includes data from profile lines 1 to 7, 10, and 11). Figure 17.

appears to be coincident with the occurrence of longer waves during that month (Fig. 16). Figure 17 gives averages of the monthly mean shoreline position and unit volume data shown in Figure 13, excluding profile lines 8 and 9. As discussed previously, the averages shown for July are based on only three surveys and may not be representative of average conditions. The surveys at Westhampton Beach have shown that short-term (less than 1 year) fluctuations in beach width of at least 60 meters can be expected away from the influences of the groin field. Changes within and downdrift of a new groin field can be much greater.

Profile envelope plots in Appendix E show the maximum excursions of the MSL shoreline and the maximum and minimum elevations measured along each profile line. The envelopes for profile lines 1 to 11 represent the "active" sand lens over the full 11-year study; the envelopes for profile lines 12 to 20 represent the active sand lens over the last year and a half of the study. The envelopes for profile lines 8 and 9 include the two beach-fill projects; envelopes for profile lines 5, 6, and 7 show the effects of impoundment by the groin field.

3. Coastal Engineering Implications.

The beach profile data in this report principally reflect the artificial changes resulting from placement of the groin field and associated beach fill, which began in July 1965. Profile changes measured before the groin field construction were definitely influenced by both natural and artificial (dume and beach fill) recovery from the effects of the March 1962 northeaster.

The data show that, on the average, the groin field and beach-fill projects have halted an erosional trend at Westhampton Beach. the groin field has also had the effect of focusing the erosion problem on the beaches immediately downdrift (west). After completion of the first 11 groins, the shoreline immediately downdrift of the westernmost groin eroded at a rate of approximately 28 meters per year. This condition was halted by the placement of beach fill and the construction of additional groins. However, the problem was only moved to a new locationimmediately downdrift of the extended groin field. In planning such a project, consideration must certainly be given to the potential for severe erosion and property damage at the downdrift end of a groin field. Sand that is removed from the longshore transport system and deposited within the groin field is replaced at the expense of the beaches and dunes immediately downdrift. A periodic, local beach nourishment scheme might be one way to maintain the shoreline position and protect the beach in this critical area.

Visual observations of breaker direction suggest that reversals in net longshore transport direction occur during the months of June through September. Reversals in transport direction within the groin field have been documented by the U.S. Army Engineer District, New York (1969). Further evidence of reversal is shown by the changes on profile line 8 during the summers of 1965 and 1966 after construction of groin 11

(Apps. C and D). During those two summers the shoreline at profile line 8 accreted an average of 26 meters and the above MSL volume increased an average of 72 cubic meters per meter. Winter erosion more than equalled these amounts. However, profile lines 12, 15, 19, and 20, immediately to the east of groins, underwent erosion during the summer months in which they were surveyed. Profile lines 13, 16, and 17 on the west side of groins (Fig. 15), underwent significant accretion during the same summers. In planning the location and timing of beach nourishment, these seasonal reversals in transport direction must also be considered.

VII. SUMMARY

From 1962 to 1973, 1,291 beach profile surveys were collected on 20 profile lines from the dune to wading depth at Westhampton Beach, New York. Frequency of surveys ranged from weekly to quarterly (Fig. 7). During the study, prestorm and poststorm surveys were made which documented changes resulting from 27 moderate northeaster storms and 1 hurricane (Table 2).

The largest changes measured (in order of decreasing severity) were during the storms of March 1973, February 1969, February 1972, and September 1967 (Table 2; Fig. 11). The seasonal change in beach width for 11 profile lines averaged 30 meters; the seasonal sand volume change above MSL averaged 56 cubic meters per meter (Apps. C and D).

Beach change rates are separated into three categories: east of the groin field (profile lines 1 to 4), within the groin field (profile lines 5 to 9), and west of the groin field (profile lines 10 and 11). During the 11-year study period, profile lines 1 to 4 accreted at a rate of 1.10 meters per year MSL shoreline advance and 3.68 cubic meters per meter per year unit volume gain. Profile lines within the groin field had a shoreline advance of 3.45 meters per year and gain in unit volume of 11.92 cubic meters per meter per year. These figures include directly placed beach fill. Profile lines west of the groin field showed a shoreline advance of 0.66 meter per year and a unit volume loss of 0.12 cubic meter per meter per year (Table 3). The changes on profile lines 1 to 4 are presumed to be the least influenced by the downdrift groin field and beach-fill projects. However, even these values include an unknown amount of material placed on the beach updrift (east) of profile line 1 from maintenance dredging of the Intracoastal Waterway.

These data show that the groin field at Westhampton Beach is effectively trapping sand. During the last 18 months of the study the three easternmost compartments, which were essentially filled, were still trapping sand above MSL at an average rate of 18 cubic meters per meter per year (Table 4). During the same interval the beach downdrift of the groin field (profile lines 10 and 11) lost sand at an average rate of 20.8 cubic meters per meter per year, with the shoreline retreating at 6.7 meters per year.

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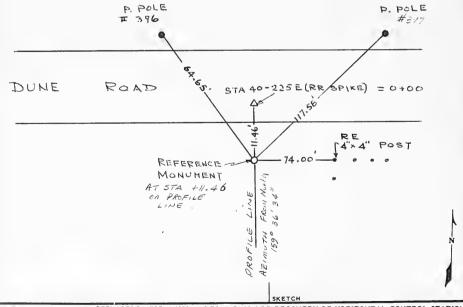
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APPENDIX A

PROFILE LINE DOCUMENTATION

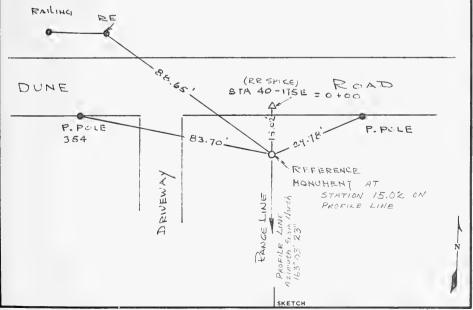
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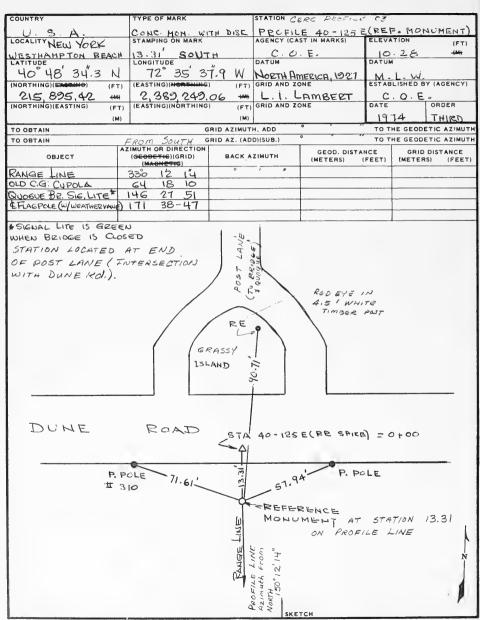
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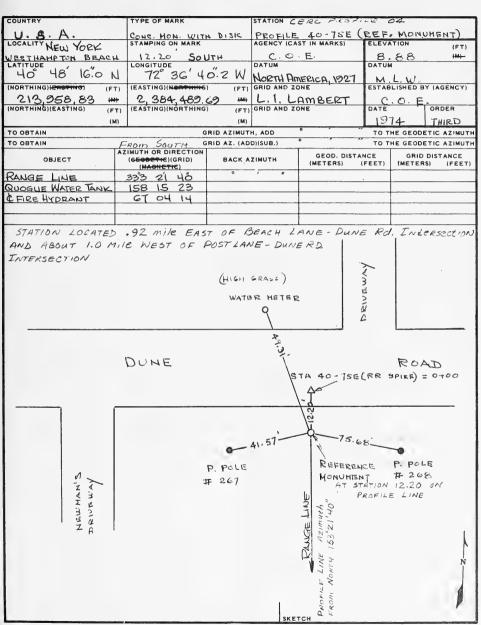
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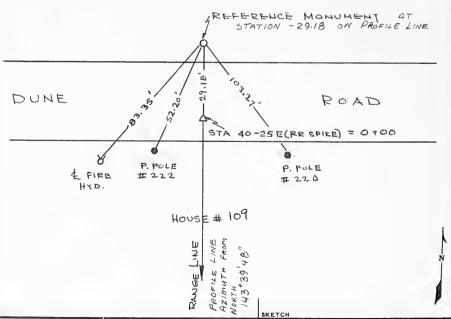
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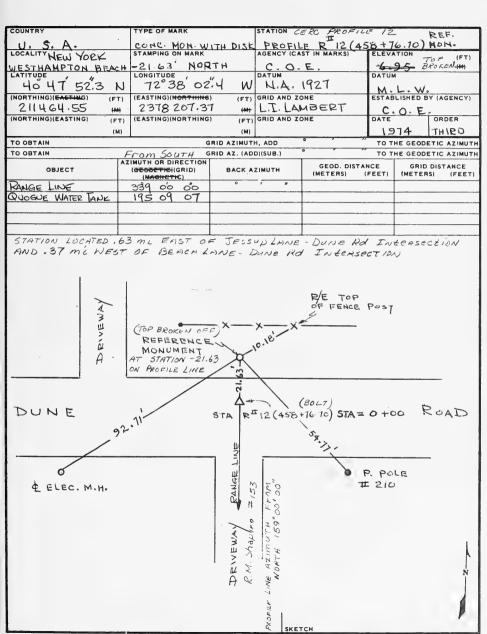


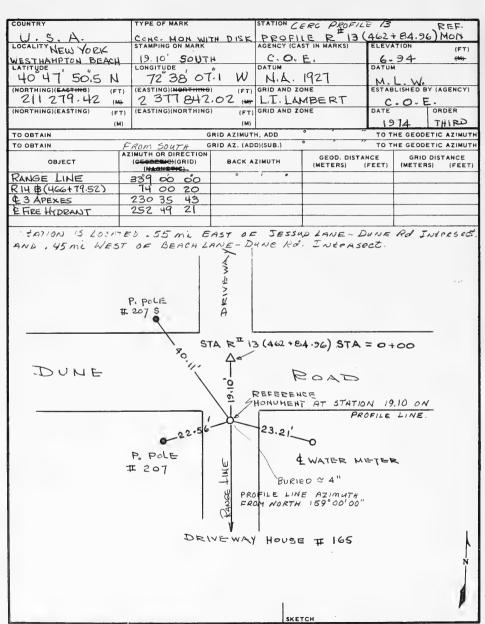


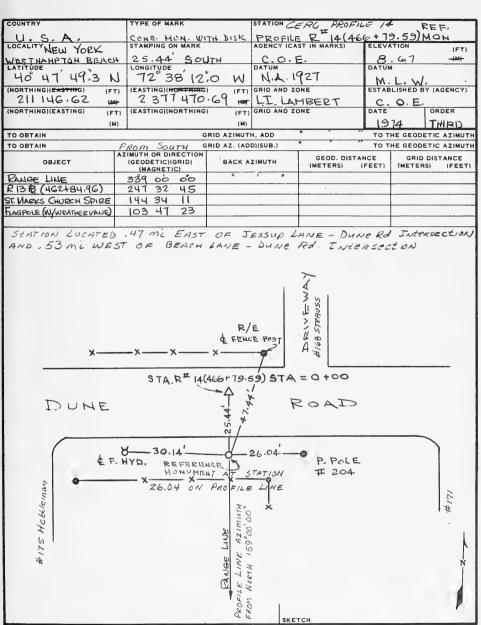
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LATITUDE /	LONGITUDE		MUTAC		DATUM	1		
40° 47 56.61	1 72° 37′ 42	1 M O. 2	NORTH AD	neeica, 1927	H.	L. W.		
(NORTHING)(CROTING) (FT)	(EASTING)(NORTHING)		GRID AND ZO	NE '	ESTAB	LISHED B	Y (AGENCY)	
211,922.68	2,319,764.4		L. 1. L	AMBERT		0. E.		
(NORTHING)(EASTING) (FT	(EASTING)(NORTHING)	(FT) C	GRID AND ZO	NE	DATE		ORDER	
(M)		(M)			19	14	THIRD	
TO OBTAIN	GI	RID AZIMUTH	, ADD		TOT	HE GEODE	ETIC AZIMUTH	
TO OBTAIN	FROM South GI	RID AZ. (ADD)(SUB.)	0 "	тот	HE GEODE	ETIC AZIMUTH	
OBJECT	ZIMUTH OR DIRECTION (GEODETIC)(GRID) (MACHIPTIC)	BACK,AZ	IMUTH	GEOD. DISTAI (METERS) (NCE FEET)	GRID (METER	DISTANCE S) (FEET)	
RANGE LINE	32°3 3'9 4'8	0	′ ″					
& FIRE HYDRANT	25 38 36							
E 30 MPH SIGN	246 44 10							

STATION LOCATED . 96 mi EAST OF JESSUP LANE - DUNE Rd INTERSECTION AND . 04 mi WEST OF BEACH LANE - DUNE Rd INTERSECTION. (\$1305t)





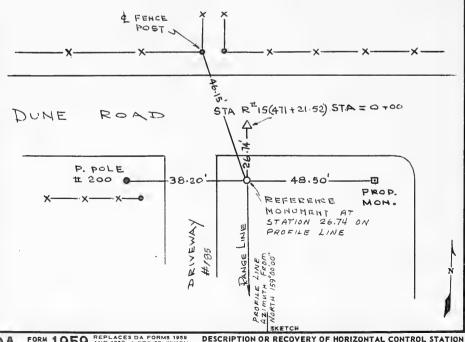




A FORM 1959 AND 1860, 1 FEB 87, WHICH ARE OBSOLETE. (TM 5-237)

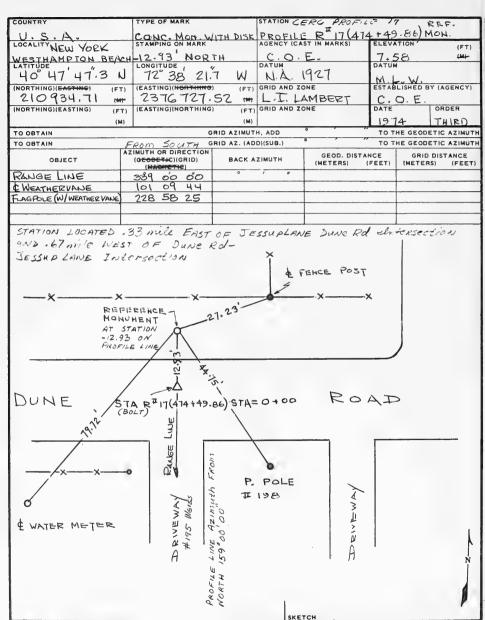
COUNTRY	TYPE OF MARK	STATION CE	RC PROFILE	15	REF.
U.S.A.	CONC. MON. V	VITH DISK PROFILE	R#15(47)	+21.	4
LOCALITY NEW YORK	STAMPING ON MARK	AGENCY (CA	ST IN MARKS	ELEVAT	(FI)
WESTHAMPTON REAC	H 26.74 SO		E.	8.11	6 1117
40° 47' 47.9	LONGITUDE	S IN N.A.	1907	DATUM	
1 1 1 1 1 1	1 72 38 17	·) 00		Mol	- 0 W :
(NORTHING)(EASTING) (FT	102770E2		MBERT		SHED BY (AGENCY)
1111	,	()		C.C	O. E.
(NORTHING)(EASTING) (F	''	(FT) GRID AND ZO	J. T. C.	197	
			. , , ,		
TO OBTAIN		RID AZIMUTH, ADD	· , ,		GEODETIC AZIMUTH
TO OBTAIN	I KUM OUSTA	RID AZ. (ADD)(SUB.)		TO THE	GEODETIC AZIMUTH
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTAP (METERS) (GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	0 / #			
RIH REF. MON.	251 04 21				
& FLAGPOLE	69 16 21				
\$ WEATHER VANE	86 30 21				

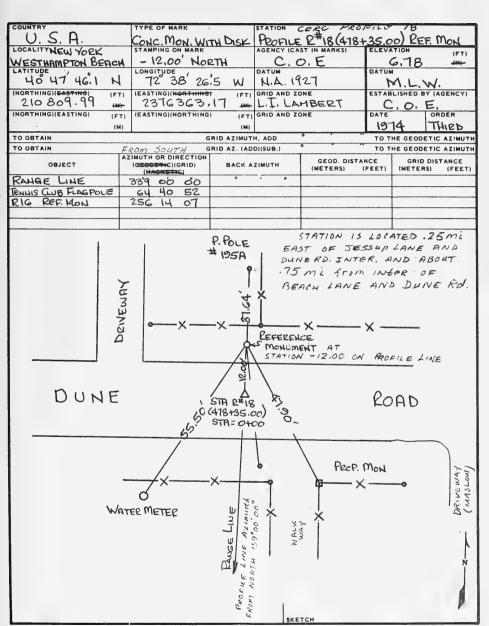
and 0.6 mi WEST OF BEACH LANE - DUNE Rd INTERSECTION



DA FORM 1959 REPLACES DA FORMS 1959 DESCRIPTION OR RECOVERY OF HORI (TM 5-237)

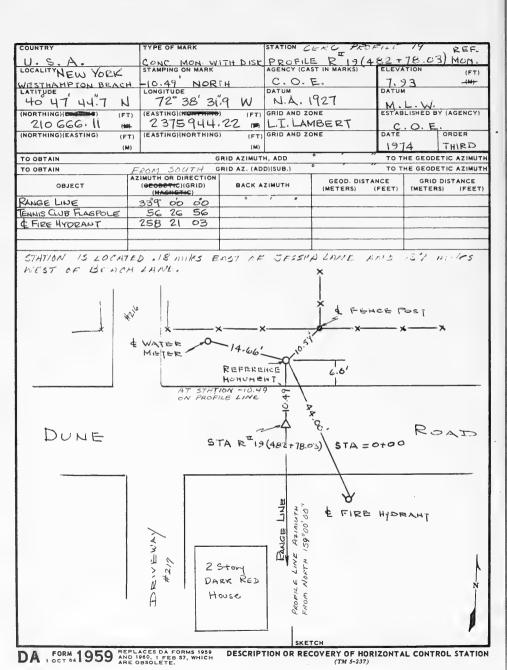
	T					_,	
COUNTRY	TYPE OF MARK			ERG PROFI		,	REF.
LOCALITY NO. 1 V-O.	CONC. MOH. W	ITH DISK	PROFIL	LE RTIG (AT	3 + 4	9.86) 1	YON.
NEW YORK	30.57' 508	A-# ()	C. O. F				(F1)
WESTHAMPTON BEACH	LONGITUDE .	JIH	DATUM		7.6		-(44)
40° 47 47.2 N	72° 38 20	5.3 M	N.A.				(AGENCY)
(NORTHING)(EXSTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND Z		ESTAB	LISHED BY	(AGENCY)
210 926.26 14	2376837.	80 6	L.I. LA	MBERT	c.	O.E.	
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)		ONE	DATE		ORDER
(M)		(M)			19	74	THIRD
TO OBTAIN	G	RID AZIMUT	H, ADD	0 , "			TIC AZIMUTH
TO OBTAIN		RID AZ. (AD	D)(SUB.)	0 "			TIC AZIMUTH
OBJECT	MUTH OR DIRECTION (GEODETIC)(GRID)	BACK A	ZIMUTH	GEOD. DISTAI	NCE FEET)	GRID (METERS	DISTANCE (FEET)
RANGE LINE	(MAGNETIC) 339 00 00	0	- ,			-	
	98 42 05						
WEATHERVANE		-				-	
FLAGPOLE (W/NEATHER YAVE)	217 37 40					-	
				-			
61	25 , 5		,			L	
STATION LOCATED .	35 ML EAST	OF JE	esup la	NF-DUNE	Rd.	2002 010.	50.76 140
4ND .65 me N'FS	T OF BEAC	"4 LAN	E-Dur	ve Rd. In	idex	51 07 10	11.
		>					
		4					
		EWA					
		Ш					
		3					
., .,		2	P. P	OLE			
××-	•			-			
		4 1	- II i	99 91			
		A	9 #1	99 × 1			
		^H	9 # 1	99×1			
	To a fine the state of the stat	· _	-				
	STA RE 16 (4	· _	-				
	STA R# 16 (4 (BOLT)	· _	-	0+00			
DUNE	STA RE 16 (4	473÷49.86	6) STA =		D		
DUNE	STA R# 16 (4 (BOLT)	473÷49.86	6) STA =	0+00	D		
DUNE	STA RE 16 (4	473÷49.86	6) STA =	0+00	L)		
DUNE	STA RE 16 (4		6) STA =	0+00	D		
DUNE	(BOLT)	47.3÷49.86	6) STA =	0+00			
	REFERENC	47.3÷49.86	6) STA = 1	0+00 ROA	D W	& FIR	
	REFERENC	47.3÷49.86	6) STA = 1	0+00	D V		E
	(BOLT)	47.3÷49.86	b) STA =	0+00 ROA	D -V		
AT ON F	REFERENC	47.3÷49.86	6) STA = 1	0+00 ROA	-∀ -×		
AT ON F	REFERENC	47.3÷49.85 23°57 48°52 48°5	5) STA =	0+00 ROA	-∀ -×		
AT ON F	REFERENC HONUMENT STATION 30.57 PROFILE LINE	47.3÷49.85 23°57 48°52 48°5	5) STA =	0+00 ROA	—∀ —×		
AT ON F	REFERENC HONUMENT STATION 30.57 PROFILE LINE	47.3÷49.85 23°57 48°52 48°5	5) STA =	0+00 ROA	—×		
AT ON F	REFERENC HONUMENT STATION 30.57 PROFILE LINE	47.3÷49.85 23°57 48°52 48°5	5) STA =	0+00 ROA	D → ∀ — ×		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	47.3÷49.85 23°57 48°52 48°5	5) STA =	0+00 ROA	—×		
R V E W A Y	REFERENC HONUMENT STATION 30.57 PROFILE LINE	130-57 43-57 43-57 43-57 43-57 43-57 43-57	# 37. 	0+00 ROA	-∀ -×		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	130-57 43-57 43-57 43-57 43-57 43-57 43-57	# 37. 	0+00 ROA	D → ×		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	130-57 43-57 43-57 43-57 43-57 43-57 43-57	# 37. 	0+00 ROA	₽ -∀ -×		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	130-57 43-57 43-57 43-57 43-57 43-57 43-57	# 37. 	0+00 ROA	— ×		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	130-57 43-57 43-57 43-57 43-57 43-57 43-57	# 37. 	0+00 ROA	— x-		
R V E W A Y	REFERENCE HOHUMENT 30.57 NOFILE LINE	130-57 48-62-6	# 37. 	0+00 ROA	— x		

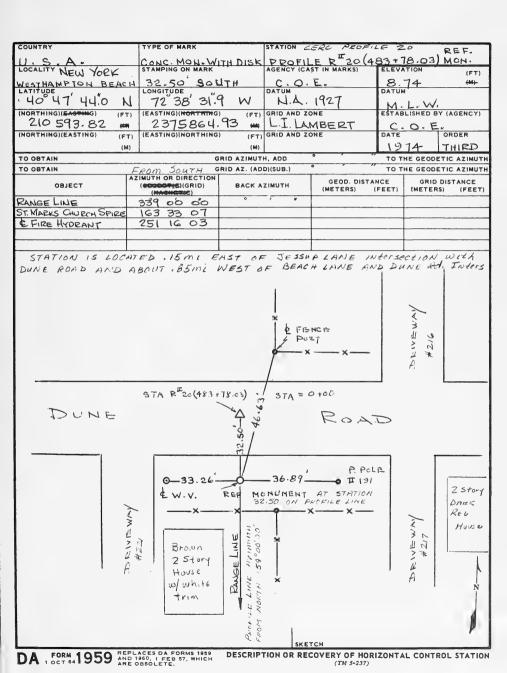


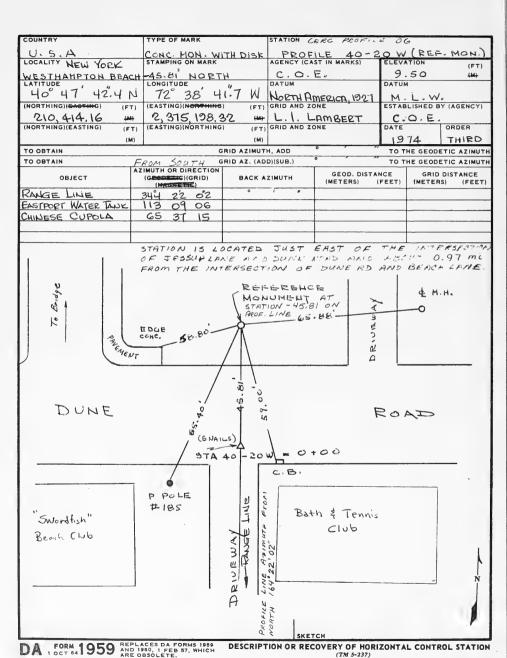


DA FORM 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION For use of this form, see TM 5-237; the proponent agency is U.S.Continental larmy Command.

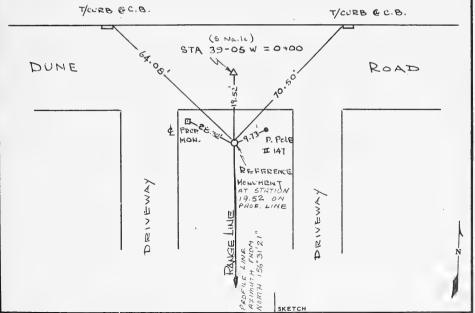


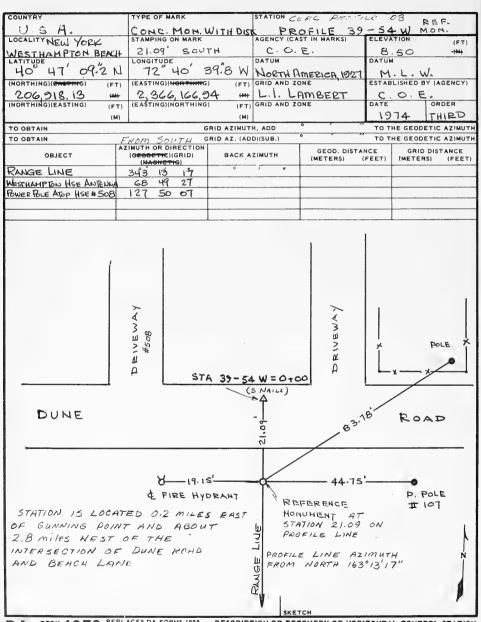




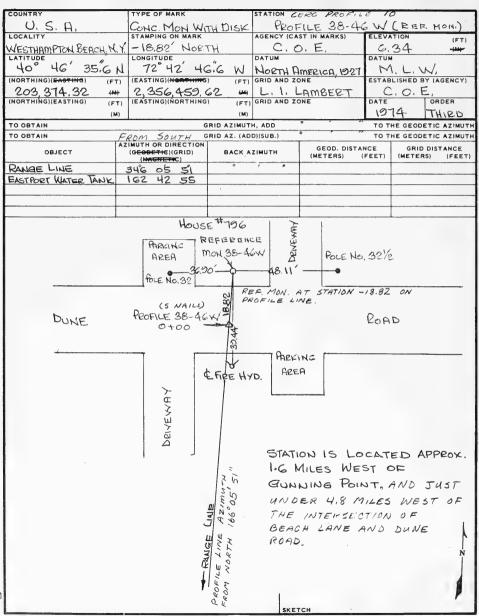
COUNTRY	TYPE OF MARK	5	STATION CER	C PROF.	LE 07	7	
U.S.A.	CONC. HON. V	VITH DISK	PROFILE	39-0			(·NON
LOCALITY NEW YORK			AGENCY (CAST IN	MARKS)	ELEVAT	ION	(FT)
WESTHAMPTON BEACH	19.52' 500-		C. O. E.		10.3	4	-(M)
LATITUDE	LONGITUDE		DATUM		DATUM		
40° 47 26.3	J 72° 39 3°		NORTH AMER	ICA, 1927		L.W.	
(NORTHING)(BASTING) (FT	(EASTING)(NERTHING	(FT)	GRID AND ZONE	·	ESTABLE	ISHED BY (A	GENCY)
208,719.72 #			L.I. LAM	BERT	C -	0.E.	
(NORTHING)(EASTING) (F	(EASTING)(NORTHING	(FT)	GRID AND ZONE		DATE	OR	DER
(%)	(M)			19	14 T	HIRD
TO OBTAIN	G	GRID AZIMUTH	i, ADD	, ,,	TO THE	GEODETIC	AZIMUTH
TO OBTAIN	I NOW OUTH	GRID AZ. (ADD)(SUB.) °	, ,,	TO THE	GEODETIC	AZIMUTH
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZ		GEOD. DISTAI IETERS) (GRID DIS (METERS)	TANCE (FEET)
RANGE LINE	336 31 21	۰	, ,				
BO-MAR WATER TANK	155 31 23						
EASTPORT WATER TANK	121 22 48						

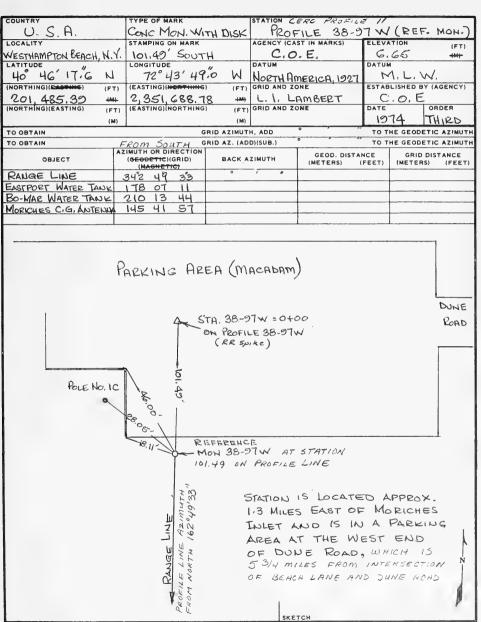
STATION IS LOCATED SUST UNDER 1.9 miles WEST OF THE INTERSECTION OF PRIMER LANG DUNE ROAD, Obout Oilmile EAST OF PICKET POINT.





COUNTRY	TYPE OF MARK		TION C			•	
U. S. A.	CONC. MOH. WI-	TH DISK	PROF	TLE 39-10	SW	(REF. MC	7N·)
	STAMPING ON MARK	AGE	_		ELEVA		(FT)
WESTHAMPTON BEACH, N.Y.	-23.27' NOR	HTS	<u>C. 0</u>	, E.		.93	(M)
40° 46' 52.2 N	LONGITUDE 72° 41′ 4	DAT	UM		DATUR		
		4.4 W No	eth A	MERICA, 1927		1. L. W.	
(NORTHING)(BASTINS) (FT)	(EASTING)(NORTHING		AND ZO			LISHED BY (A	GENCY)
205, 121, 87 (H) (NORTHING)(EASTING) (ET)	2,361,226.	21 mm L.	1. LF	MBERT		: O. E.	
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT) GRII	AND ZO	NE	DATE	- 4	DER
(M)		(M)			19	14 TH	HRD
TO OBTAIN	G	RID AZIMUTH, AD	D	• , , ,	тот	HE GEODETIC	AZIMUTH
TO OBTAIN		RID AZ. (ADD)(SU	B.)	. ,	тот	HE GEODETIC	AZIMUTH
OBJECT	ZIMUTH OR DIRECTION (GEODETIC)(GRID)	BACK AZIMU	T-D	GEOD. DISTAN	CE	GRID DIS	TANCE
OBJECT	(MAGNETIC)	BACK,AZIMO	119	(METERS) (I	FEET)	(METERS)	(FEET)
RANGE LINE .	342 02 54	۰ ,	*				
	146 55 33						
	<u>></u> 11	USE #648					
	DRIVEWRY OH	USE 648					
	1 2			7			
	1 2			2			
				M			
	0 0	××	-	>			
1	& WATER 23.6	7' REF, M	ION 39	ioswa			
	METER	78	PEFM	an L			
			AT:	TATION -23.2	7 ON	PROFILE	LINE .
		77					
	ol /	13		_			
DUNE	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	(4)		68.36-		0	
OOKE	Vr.	4 (SNAILS) ~~·		ROAD	
		STA 39-103	5W=	0100			
	7					1	
~ 6		1 1				0	
POLENO, 63					_	POLE NO	2.64-
		1 2	1		7		
	7	1 2		!	3		
	1 4 1	PRIVEWAY			DRIVEWAY	1	
	<u>m</u>				7		
	13			1	Si Ci	i	
	Devemby			2	Ц		
	1				1	1	
		LINE 4321m117.4					
		111 5 0				ATED	
		N. N. O.	APE	PROX 0.6	MILE	ES WES	7
		LIME 2002					- 1
		120		GONDING			,
		(b) 1/4 -		8 MILES 1			
		RANGE E LINE 108TH 1		E INTERSE			N
		0 2		ACH LANE	EN	DUNE	=
		15 A 4 6	RO	MD.			
		2 %					-
		R PROFILE FROM NO	1				-
		4.4		сн			





APPENDIX B

PROFILE LINE SURVEY DATA

The survey data for the Westhampton Beach study are tabulated by profile line number and survey date (in the form YYMMDD). Distances are in feet from the profile line bench mark; elevations are in feet above MLW.

DATE 621011 8RVY I TIME 1200	DATE 621029 SHVY # TIME 1800	DATE 621208 BRVY II TIME 1200	DATE 630107 SRVV 4 TIME 1200	DATE 630123 SRVY 5 TIME 1200	DATE 630207 SRVY 6 TIME 1200	OATE 630221 SRVY # TIME 1200	DATE 630312 8RVY B TIME 1200
	#83.00 20.40 517.00 28.10 531.00 19.40 550.00 12.10 555.00 8.40 579.00 8.40 631.00 7.90 688.00 7.90 688.00 2.40 761.00 2.40 761.00 2.40 781.00 2.40		0.00		502.00 20.10 508.00 15.00 508.00 12.90 000.00 7.90 702.00 3.30 728.00 .90 803.0060	533.00 28.00 538.00 27.00 536.00 13.30 582.00 13.30 632.00 6.20 654.00 6.20 6710.00 3.40 761.00 1.60 818.0020	\$11.00 26.70 \$17.00 27.20 \$57.00 16.30 \$59.00 16.30 \$59.00 12.90 \$65.00 10.20 \$66.00 4.70 \$727.00 3.00 \$612.00 0.00
			PROF1				
DATE 630321 SRVY M TIME 1200	DATE 630409 SRVY 10 TIME 1200	DATE 630424 BRVY 11 TIME 1200	DATE 630509 SRVY 12 TIME 1200	DaTE 630617 584Y 13 TIME 1200	DATE 630710 SRVY 14 TIME 1200	DATE 630813 SRVY 18 TIME 1200	DATE 630925 SRVY 16 TIME 1200
536.00 28.20 560.00 [4.70 594.00 9.70 665.00 5.80 699.00 3.50 800.00 .350	533-00 27-20 544-00 14-00 568-00 12-90 5790-00 9-10 642-00 6-50 677-00 1-10 813-00 -10	533.00 27.20 553.00 14.10 568.00 12.80 668.00 7.50 711.00 5.20 774.00 1.70 828.00 -1.30	509-00 27,60 569-00 13,00 598-00 8,30 659-00 7,60 717-00 5,90 741-00 4,50 841-00 -1,80	506,00 25,20 525,00 28,00 545,00 17,60 561,00 17,60 592,00 6,50 684,00 6,50 706,00 6,90 719,00 6,20 719,00 6,20 615,00 6,80 632,00 -,30	584.00 17.90 581.00 13.20 583.00 9.70 611.00 6.70 723.00 6.70 746.00 8.50 797.00 1.90 817.00 0.00	517.00 26.40 524.00 27.90 525.00 17.00 555.00 13.50 579.00 10.00 616.00 7.50 640.00 7.50 700.00 7.50 702.00 8.60 775.00 2.00 820.0020	525.00 27.70 545.00 17.30 555.00 13.70 601.00 8.80 6038.00 8.00 6048.00 7.60 725.00 7.60 777.00 2.70
			PROFI	LE 1			
DATE 631030 8RVY 17 TIME 1200	DATE 631101 SHVY 18 TIME 1800	DATF 631115 88VY 19 TIME 1200	DATE 640108 SRVY 20 TIME 1200	DATE 640121 SRVY 21 TIME 1200	DATE 640312 SRVY 22 TIME 1200	DATE 640\$11 89VY 23 TIME 1200	DATE 640713 SHYY 24 TIME 1200
519.00 25.10 557.00 13.30 631.00 6.60 676.00 7.20 729.00 7.40 771.00 5.20 611.00 1.80 836.0040	519.00 25.20 557.00 13.30 632.00 6.70 729.00 7.50 771.00 5.20 612.00 1.70 837.0060	\$93.00 9.30 6P2.00 11.60 633.00 7.70 6R0.00 6.70 717.00 4.60 828.00 110	517.00 26.10 527.00 27.20 540.00 18.70 560.00 14.80 599.00 10.50 671.00 7.50 725.00 4.20 811.00 2.30	518.00 26.40 527.00 27.30 543.00 18.40 563.00 9.80 692.00 5.20 707.00 3.70 751.00 3.20	525.00 26.60 547.00 18.80 587.00 10.00 620.00 7.20 710.00 5.70 765.00 .90 791.00 0.00	\$20.00 26.00 528.00 26.00 548.00 17.80 582.00 10.30 618.00 6.70 600.00 6.20 600.00 6.50 723.00 7.20 603.00 -1.20	533.00 24.50 538.00 19.70 550.00 13.00 795.00 7.70 638.00 6.60 727.00 7.60 703.00 1.60
			PROFI	LE 1			
DATE 640910 SRVY 25 TIME 1200	DATE 641105 SRVY &6 TIME 1200	DATE 650218 SRVV 27 TIME 1200	DATE 650412 SRVY 2A TIME 1200	DATE 650527 SOVY 29 TIME 1200	DATE 650816 SRVY 30 TIME 1200	DATE 660127 BRVV 31 TIME 1200	DATE 660415 84VY 32 TIME 1200
523.00 27.20 540.00 17.50 562.00 12.50 610.00 7.50 702.00 9.10 783.00 1.90 819.00 0.00 854.00 =1.10	521.00 28.90 542.00 17.00 560.00 13.00 586.00 9.70 677.00 10.30 716.00 7.70 746.00 9.50 769.00 8.80	521.00 27.00 547.00 17.80 578.00 11.70 647.00 6.70 673.00 570 722.00 3.10 783.00 .50	519.00 28.20 539.00 18.3n 572.00 12.50 602.00 9.40 646.00 8.70 716.00 6.50 734.00 4.70	520,00 26,80 566,00 12,50 595,00 9,50 690,00 5.00 795,00 6.80 794,00 2,20 615,00 1.10	517.00 27.90 539.00 18.00 554.00 18.00 578.00 11.80 628.00 8.70 739.00 7.70 765.00 5.80 805.00 3.80	513.000 27.80 526.00 20.20 536.00 16.80 564.00 12.20 609.00 7.50 711.00 2.20	915.00 27.30 554.00 10.00 568.00 12.40 606.00 6.30 644.00 5.00 710.00 7.00 737.00 4.00

							••••								
SRYY TIME	660830 34 1200	SRVY	670113 35 1210	SRVV TIME	670215 36 1200	SRVY TIME	670501 37 1200	Sana	670726 38 1200	SRVY JMIT	670921 39 1200	SRVY	671107 40 1200	SRVY	671206 41 1200
524.00 547.00 561.00 584.00 612.00 649.00 717.00 753.00 792.00 648.00	26.80 16.40 12.40 10.90 7.50 6.10 7.70 8.00 9.50 2.20	530.00 552.00 601.00 655.00 706.00 763.00 813.00 840.00	9.50 5.50 2.00	517.00 541.00 546.00 702.00 702.00	25.40 16.60 11.60 6.40 3.20	736+00 752+00	7.00	519.00 546.00 629.00 670.00 723.00 783.00 800.00	24.00 14.20 9.80 5.70 6.30 6.20 4.70 2.50	512.00 535.00 598.00 694.00 733.00 780.00 821.00	5.90 1.00 10	510.00 541.00 642.00 686.00 751.00 760.00 791.00 814.00	26.60 12.20 6.20 6.10 9.20 6.00 4.90 3.10	522.00 583.00 617.00 680.00 729.00 761.00	27.50 12.60 9.10 7.60 8.00 5.90
							PQQFI								
DATE SRYY TIME	680105 42 1200	SRVY TIME	080111 43 1200	3 P y y	1200	4174 414	680124 45 1200	SRV4	680131 46 1200	SRVY TIME	680207 47 1200	S#VV TIME	680214	SRVY TIME	1200
492.00 513.00 523.00 570.00 570.00 578.00 614.00 718.00 783.00 884.00	28.50 24.80 21.40 12.70 12.90 9.90 7.40 3.90 3.30	508.00 514.00 530.00 589.00 589.00 609.00 644.00 682.00 682.00 777.00 814.00 887.00	15.80 12.50 9.80 7.80 7.80 5.30 3.50 3.50 3.10	625.00 677.00 707.00 750.00 755.00 807.00 830.00	10:40 12:80 9:00 6:00 4:50 2:90 3:60	508-90 515-00 528-00 570-00 570-00 570-00 707-00 707-00 747-00 754-00 765-00 821-00 824-00	16.90 12.70 9.80 4.40 2.90 3.90 4.50	508.00 517.00 548.00 579.00 619.00 670.00 739.00	25.20 17.10 13.30 9.80 6.70 5.30	508.90 515.00 529.00 509.00 508.00 577.90 611.90 717.00 717.00 749.00 827.00	28.39 21.60 15.40 12.70 12.90	519.00 517.00 540.00 555.00 515.00 571.00 571.00 722.00 750.00 794.00 843.00	28.30 18.80 12.30 9.20 7.20 5.50 3.60 3.10 2.20	517.00 529.00 544.00 501.00 605.00 696.00 753.00 774.00	26.20 21.20 17.30 13.50 10.20 7.40 5.40 2.80 3.60
							PROFI	LE 1							
TIME	680228 50 1200	SRVY:	680306 18 1800	98V4	680314 52 1200	TIME	680322 51 12n0	SAVY	1200	SRVY TIME	681119 55 1200		690117 56 1200	TIME	690129 57 1200
508-00 515-00 530-00 561-00 576-00 605-00 660-00 711-00 744-00 769-00	24.90 28.30 21:10 13:40 13:90 9:60 7:90 5:60 6:90 6:90	507.00 518.00 531.00 560.00 578.00 599.00 663.00 701.00 742.00 608.00	24.70 20.80 13.10 14.00 17.70 6.30 4.20 8.10	508:00 517:00 534:00 566:00 602:00 657:00 719:00 784:00 835:00	28.40	508-00 517-00 531-00 569-00 619-00 730-00 759-00	25.00 26.20 21.40 13.60 9.90 4.10 3.50		20.90 28.10 21.10 13.00 10.10 8.70 5.20 4.10 1.60	504.00 509.00 531.00 566.00 598.00 651.00 708.00 762.00 814.00 851.00	25.30 18.70 13.90 11.40 7.30 4.50 2.80	#97.00 504.00 509.00 524.00 560.00 572.00 614.00 686.00 724.00 736.00 809.00	23.20 27.60 20.20 13.90 14.60 9.40 7.60	509.00 553.00 560.00 567.00 609.00 647.00 704.00 704.00 803.00 808.00 912.00	28.00 19.80 13.80 15.30 9.70 8.80 6.90 0.00 1.90
*							PROFI								
TIME	690207 58 1200	TIME	690213 59 1800	8RVY TÎMÊ	690228	SRVY TIME	690310 62 1200	OATE SRVV TIME	690314 63 1200	RRVY	640321 64 1200	8844 T1#E	690618 65 1200	TIME	690918 66 1200
504-00 512-00 521-00 559-00 616-00 616-00 707-00 738-00 846-00 929-00	26.50 27.70 23.50 13.60 14.30 6.70 6.30 6.30 5.10 -10	504.00 510.00 521.00 534.00 554.00 562.00 592.00 607.00 677.00 727.00 805.00	25.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000	504-00 507-00 521-00 568-00 570-00 612-00 702-00 702-00 768-00	27.70 19.70 14.60	504.00 508.00 524.00 559.00 583.00 647.00 644.00 743.00 743.00 822.00	25.60 27.80 19.80 19.80 9.30 9.30 9.80 7.10 7.10 7.10	504.00 509.00 522.00 530.00 554.00 554.00 610.00 639.00 682.90 744.00 849.00	25.50 27.970 19.70 13.50 14.20 9.60 8.40 5.40	492.00 504.00 525.00 532.00 604.00 639.00 653.00 904.00	28.00 19.30 18.10 10.60 8.80 5.10	503.00 516.00 533.00 551.00 585.00 661.00 718.00 761.00 761.00 633.00	23.80 27.50 16.50 13.50 9.60 9.60 9.60 9.60	504.00 512.00 540.00 554.00 574.00 624.00 649.00 749.00 640.00 620.00	25.00 27.30 17.90 13.20 14.20 9.70 10.20 10.40 2.20 -10

							5000								
SRVY TIME	691125 67 1200	SRVY TIME	691220 68 1200	SRVY TIME	700115 69 1200	8# V Y	700122 70 1200	SRVY Time	700120 71 1200	BRVY TIME	700211 72 1200	8944 TIME	700218 73 1200	8PVY TI≒E	700225 74 1200
503.00 514.00 575.00 602.00 650.00 770.00 763.00 815.00	24.30 26.40 13.40 14.40 10.50 9.10 6.50 2.60	503+00 513+00 534+00 558+00 575+00 608+00 638+00 741+00 783+00 826+00	20.60 18.20 13.40 13.40 14.40 10.10 6.70 4.20	540.00 576.00 612.00 640.00 709.00 745.00 744.00	12.70 14.30 10.50 7.50 5.40 3.50 .80 1.70	563.00 605.00 628.00 671.00 718.00 756.00	12.80 14.20 11.00 11.00 5.80 3.40 4.70	515.00 554.00 574.00 597.00 629.00 676.00 742.00 607.00 825.00	13.00 13.00 12.40 10.00	512.00 534.00 554.00 573.00 597.00 621.00 674.00 727.00	17.50 13.20 15.00 12.60 11.00		17.50 12.90 14.70 12.70 7.10 2.10	535.00 556.00 576.00 597.00 626.00 665.00 697.00 736.00	12-80 14-80 12-80 10-40 6-70 3-60
							PROF								
8RVY TIME	700305 75 1200	SRVY TIME	700312 76 1200	8844 TIME	700318 77 1200	SHVY TIME	700507 78 1200	SRVY TIME	700812 79 1200	SAVY 11me	700930 80 1200	8 P V V	701201 81 1200	8RVY TI≃E	701218 82 1200
530.00 564.00 571.00 597.00 645.00 700.00 730.00	17.30 13.00 15.40 12.60 8.30 4.20 1.50	537 * 00 558 * 00 575 * 00 597 * 00 642 * 00 679 * 00 712 * 00 787 * 00 817 * 00	13.00 15.50 12.50 7.10 4.60 3.90	535.00 572.00 572.00 645.00 727.00 727.00 837.00	12:70 14:90 12:60 5:50 6:70 4:10 4:40 4:10	537 0 0 0 557 0 0 0 575 0 0 0 0 0 0 0 0 0	12.40 14.90 9.30 7.00 4.80 2.30 1.00 1.40	500.00 521.00 533.00 552.00 570.00 601.00 631.00 753.00 753.00 761.00 631.00	27.70 19.10 11.90 14.40 12.10 7.50 5.90	540.00 558.00 576.00 596.00 621.00 711.00 745.00 747.00 806.00 821.00	12.40 14.50 12.30 9.50 6.30 7.00 8.30 7.30	536.00 558.00 578.00 596.00 629.00 71.00 704.00 768.00 871.00	12-40 14-70 12-40 9-10 8-90 8-50	541.00 550.00 574.00 590.00 630.00 704.00 741.00 760.00	12-30 16-60 12-30 9-70 7-00 5-20 5-80
							PROFI								
SRVY	710106 83 1200	SRVY	710212 84 1800	SRVY	710309 85 1200	SRVY	710408 86 1200	SOVY	710609 87 1700	SRVY TIME	710811 88 1200	SRVV	711008 89 1200	8RVY TIME	711201 90 1200
541.00 556.00 574.00 596.00 621.00 711.00 736.00 766.00	17.50 12.50 14.60 12.40 10.20 7.50 6.30 3.50 .20	537.00 556.00 574.00 596.00 641.00 727.00 747.00 774.00 796.00	17.30 12.80 15.70 12.40 10.40 7.70 4.50 2.00 =1.40 =2.60	534.00 557.00 579.00 596.00 617.00 656.00 684.00 710.00 757.00 794.00	19.00 12.50 10.50	509.00 533.00 553.00 553.00 577.00 627.00 655.00 696.00 769.00 769.00	26.20 23.80 19.80 12.80 15.00 10.30 6.80 6.60 3.30 6.90	539.00 573.00 573.00 590.00 650.00 650.00 725.00 725.00 768.00 768.00	17.80 13.10 16.00 12.50 9.60 8.30 8.80 7.40 7.00 1.60 -1.00 -2.80	537.00 579.00 623.00 656.00 701.00 743.00 773.00 789.00 805.00	11:10 9:50 9:70 6:00 2:40	576.00 537.00 537.00 559.00 574.00 656.00 701.00 746.00 746.00 778.00	25.70 24.10 17.70 13.10 15.40 11.10 9.40 9.80 9.80 6.20 3.50 2.10	57A.00 623.00 673.00 727.00 793.00 648.00 673.00	15.00 11.50 9.70 5.30 1.00 30 -1.90
							PROFI								
SRVY	720103 91 1200	TIME	720131 92 1200	TIME	720205 93 1200	SHVY TIME	720222 94 1200	SAAA Lihe	720301 95 1200	SRVY TIME	720328 96 1200	TIME	720531	SAVY TIPE	720809 98 1200
542.00 558.00 579.00 610.00 671.00 712.00 761.00 761.00 761.00	17.30 13.50 15.50 12.50 11.50 9.30 7.70 3.50 **10	529.00 554.00 560.00 619.00 658.00 703.00 703.00 795.00 800.00	19.50 13.60 15.50 12.00 9.50 9.50 9.30 5.50 =1.00 =3.30	580.00 607.00 623.00 636.00 674.00 733.00	13.20 11.60 10.00 6.50 3.90	553.00 571.00 580.00 605.00 640.00 652.00 667.00 728.00 728.00	15.87 15.80 13.00 8.10 7.20 6.10 5.60	524.00 5575.00 560.00 602.00 639.00 666.00 705.00 794.00 845.00 953.00	20.10 13.80 15.70 15.70 15.10 10.10 6.30 5.80 -2.50 -80 -2.10	537.00 557.00 575.00 580.00 608.00 748.00 748.00 759.00 812.00 830.00	5.20 6.30 4.40 2.90	541.00 557.00 574.00 579.00	20.50 14.50 15.60 15.60 15.60 15.60 7.80 7.80 5.30 4.70 .80 2.70 .80	517.00 557.00 579.00 624.00 659.00 673.00 731.00 806.00 841.00	20.50 14.00 15.90 10.40 6.40 7.50 9.00 7.90 .10

							POOF								
DATE SRVY TIME	1200	SRVY	721205 100 1200	SRVV	730103 101 1200	SHVY	1200	DATE SRVV TIME	1200	SRVV TIME	730316 10# 1200	DATE SRVV TIME		3 P V V	730403 106 1200
522.00 541.00 552.00 604.00 664.00 675.00 764.00 794.00 834.00	16:10 14:20 15:80 13:40 10:80 7:00 8:80 7:00 8:10 4:20 4:80 1:10	527.00 547.00 608.00 627.00 627.00 719.00 780.00 813.00	15.20 16.00 14.40 11.60 10.20 10.40 5.10	524.00 549.00 674.00 674.00 665.00 743.00 645.00 645.00	14.60 16.10 14.30 11.60 8.00 5.90 4.40 3.60	523.00 579.00 627.00 669.00 731.00 744.00 780.00 829.00	16.20 11.60 7.80 7.00 6.50 2.10	524.00 5479.00 632.00 633.00 6729.00 754.00 819.00 867.00	10.20	534.00 549.00 596.00 622.00 644.00 705.00 726.00 759.00 862.00 862.00	13.90 16.30 14.60 11.60 5.60 5.70 5.50 2.60	510.00 544.00 565.00 579.00 612.00 623.00 671.00 703.00 724.00	14.20 15.20 16.40 14.60 13.10 10.80 7.30 5.60 2.10	521.00 541.00 551.00 607.00 629.00 708.00 736.00 784.00 829.00	14.00 15.30 10.40 14.30 10.80 8.10 8.10 8.10
							PROF								
DATE SRVV TIME 521.00 570.00 579.00 624.00 653.00 709.00 727.00 757.00 836.00	1200 20:10 14:20 15:80 16:30 16:30 16:30 8:50 8:10 9:20 9:60 8:40 4:40 1:40	0 ATE SÁVY TIME 519.00 544.00 559.00 607.00 607.00 645.00 701.00 701.00 820.00 823.00 872.00	1800 20.90 14.30 15.20 10.40 10.50 8.50 8.50 7.70 4.00	DATE SRVV TIME 916-00 546-00 579-00 661-00 707-00 749-00 841-00 879-00	20.90 14.50 16.50 12.30 9.30 6.50 2.10										
							PROFI								
SRVY	1200	DATE SRVV TIME	621n29 2 1200	SRVV	1200	TIME	630107	Date Seve Ithe	630123	8 R V Y	630207	5RVY TIME	630221	DATE BRVY TIME	630312
41.00 72.00 143.00 229.00 314.00 460.00 501.00 531.00 545.00 576.00 602.00 643.00 720.00 789.00	5 · 10 5 · 00 11 · 30 10 · 50 10 · 40 12 · 40 13 · 90 26 · 10 13 · 90 8 · 30 8 · 30 4 · 00 2 · 40 1 · 40	473.00 501.00 527.00 531.00 544.00 584.00 658.00 664.00 703.00 778.00	19.80 21.80 20.20 19.30 11.50 9.80 9.80 7.00	484.00 526.00 567.00 635.00 645.00	26.70 13.20 5.70	0 * 00 80 * 00 148 * 00 428 * 00 428 * 00 508 * 00 557 * 00 561 * 00 681 * 00 682 * 00 712 * 00	5.00 5.30 11.90 13.70 13.70 11.80 26.50 17.10 12.30 7.30 6.90 4.90	5,00 14,00 60,00 140,00 347,00 412,00 500,00 516,00 560,00 760,00 709,00 750,00	4.90 4.20 11.70 11.70 21.40 24.20 11.50 7.90 4.50 3.90	530.00 570.00 617.00 655.00 688.00 741.00	26.00 12.60 8.60 8.60 7.50 .40	527.00 544.00 564.00 606.00 608.00 715.00	26.70 17.80 12.80 8.80 3.40 0.00	520.00 528.00 528.00 570.00 611.00 600.00 700.00 715.00 705.00	25.60 26.90 18.70 9.00 8.70 8.70 2.50 70
							PROFI								
6105	43030	D.***	410		410	D. 1	B. **	. 207		47081*	0475	630925
5 9 y Y	1200	TIME	10 1200	DATE 8PVV TIME	11 1200	DATE SHVY TIME	12 12 1200	DATE SRVY TIME	630617 13 1200	SHVY TIME	630710 14 1200	0 G v v	630813 15 1200	SHVY TIME	1.6
526.00 546.00 592.00 615.00 653.00 692.00 751.00 778.00	26.30 17.30 9.70 8.70 5.10 1.80 0.00	527.00 545.00 590.00 611.00 660.00 704.00 749.00	20.20 10.30 9.70 9.00 8.50 6.10 0.00	528.00 551.00 555.00 691.00 747.00 798.00 830.00	25.70 17.10 10.80 8.60 7.70 1.60 80 -1.40	528.00 547.00 573.00 609.00 651.00 699.00 779.00	25.40 18.50 12.30 8.70 8.40 6.40	496.00 522.00 556.00 577.00 613.00 650.00 666.00 734.00 788.00 621.00	22.70 26.20 15.90 11.20 8.70 8.60 8.70 3.60 1.10	613.00 687.00 709.00 722.00 742.00 758.00 802.00 822.00	8.70 8.80 6.70 7.30 7.20 6.10 1.20	572.00 550.00 569.00 615.00 615.00 701.00 774.00 789.00	26.40 16.90 13.00 9.60 9.00 8.60 A.70 7.30 7.10 5.10	524.00 576.00 611.00 651.00 690.00 750.00 779.00 802.00	26.30 11.40 6.70 6.40 9.00 4.20 2.30 1.30

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DATE 631030 8RVY 17 TIME 1200	DATE 631101 SRVY 1A TIME 1200	OATE 631115 ARVY 19 TTMF 1200	DATE 640105 SHVY 20 TIME 1200	DATE 640121 SRVV 21 TIME 1200	DATE 640312 SRVY 22 TIME 1200	DATE 640511 SRVY 23 TIME 1200	DATE 640713 SRVY 24 TIME 1200
536.00 26.50 572.00 15.60 592.00 1 8.90 641.00 8.90 743.00 3.50 799.00 1.60 634.00 =.60	\$37.00 20.40 \$72.00 15.60 \$93.00 11.50 640.00 8.60 742.00 3.50 742.00 3.50 798.00 1.50 834.00 ~.60	649.00 7.60 667.00 6.20 716.00 6.80	523.00 26.90 551.00 16.90 577.00 16.00 651.00 6.90 699.00 5.80 739.00 2.20	522,00 2A.80 545.00 1R.00 577.00 1P.00 020.00 7.20 063.00 7.20 093.00 4.50 712.00 2.40	557.00 15.80 591.00 10.90 624.00 7.36 676.00 6.00 699.00 6.60 732.00 3.50 759.00 .10	524.00 27.00 532.00 22.00 578.00 11.70 619.00 9.20 671.00 9.20 723.00 1.10	\$25.00 27.00 546.00 17.90 \$65.00 13.60 613.00 9.00 684.00 6.50 712.00 3.10
			PROF				
DATE 640910 SRVY 25 TIME 1200	DATE 641105 SRVY 26 TIME 1200	5847 27 11HF 1200	DATE 650412 SRVY 2A TIME 1200	0aTE 650%27 SQVV 29 TIME 1200	DATÉ 650816 SRVY 30 TIME 1200	DATE 660127 BRVV 31 TIME 1200	DATE 660415 8RVY 32 TIME 1200
527:00 27:00 542:00 18:80 579:00 11:20 621:00 6:50 675:00 9:30 753:00 1:20 805:00 9:40	560.00 13.40	545.00 16.70 608.00 10.00 654.00 7.20 695.00 8.00 766.00 0.00	549.00 16.90 608.00 10.00 661.00 6.70 719.00 4.60	\$23.00 27.00 \$65.00 14.20 \$95.00 10.90 640.00 8.10 685.00 7.80 734.00 5.00 764.00 6.20 815.00 .50	523.00 P6.90 549.00 17.40 571.00 12.90 636.00 8.10 681.00 7.60 720.00 7.60 750.00 4.20	525.00 28.10 544.00 19.10 567.00 14.50 625.00 8.00 707.00 2.70	524.00 27.90 551.00 17.80 636.00 7.00 666.00 8.70 710.00 4.70
			PROFI	LE 2			
DATE 660670 8RVY 33 TIME 1700	DATE 660830 88VY 34 TIME 1200	DATE 670113 SRVV 35 TIME 1200	DATE 670215 SHVY 36 TIME 1200	Date 670501 SRVY 37 TIME 1200	DATE 670726 SRVY 35 TIME 1200	DATE 670921 SRVV 39 TIME 1200	DATE 671107 SRVY 40 TIME 1200
524.00 27.10 555.00 14.90 571.00 11.90 632.00 6.00 691.00 7.90 753.0090	549.00 17.50 572.00 13.20 623.00 9.00	5%0.00 20.10 619.00 8.90 670.00 5.80 710.00 3.30 739.00 -10	524.00 27.90 540.00 20.20 555.00 16.70 610.00 9.20 650.00 3.80	\$24.00 27.50 \$51.00 17.00 \$674.00 4.20 \$690.00 3.10	\$22.00 25.50 \$48.00 17.60 \$59.00 13.60 \$604.00 13.60 \$607.00 10.50 \$51.00 7.60 \$689.00 7.60 \$729.00 2.70	520.00 28.70 548.00 17.60 604.00 8.20 615.00 9.00 776.00 3.90 771.00 5.80 789.00 3.70	\$22.00 27.90 545.00 17.10 555.00 12.60 635.00 8.40 678.00 5.30 709.00 5.30 750.00 4.00 750.00 4.00
			P90F]	LE 2			
DATE 671206 SRVY 41 TIME 1200	047E 680109 SRVY 42 TIME 1200	114E 1200	DATE 680118 SRVY 44 TIME 1200	0ATE 680124 SRVV 45 TJME 1200	DATE 680131 SRVY 46 TIME 1200	DATE 680207 88VV - 47 TIPE 1200	DATE 680214 SRVY 48 TIME 1200
518.00 28.70 560.00 15.70 684.00 8.50 684.00 5.70 739.00 5.40 806.00 5.40 822.00 5.70	493.00 22.40 503.00 24.30 514.00 27.90 533.00 20.30 549.00 16.10	515.00 28.20 538.00 19.10 545.00 14.80 545.00 13.90 540.00 15.90 639.00 6.20 644.00 5.50 731.00 2.80 744.00 2.90 770.00 2.80	493.00 22.50 505.00 25.40 514.00 28.40 529.00 22.40 559.00 15.00 504.00 13.00 604.00 7.90 604.00 1.80 701.00 2.00 787.00 1.40	492.00 22.40 503.00 23.40 515.00 23.40 510.00 21.70 550.00 14.80 568.00 14.40 568.00 12.20 655.00 5.00 701.00 3.50 701.00 3.50 740.00 1.40 783.00	517.00 28.30 528.00 25.26 558.00 14.50 572.00 13.50 609.00 8.80 644.00 6.40 673.00 7.30 720.00 1.20 734.0010	516.00 28.30 520.00 26.20 540.00 17.30 551.00 14.30 551.00 18.20 616.00 4.50 655.00 4.10 691.00 4.80 728.00 .40	506.00 25.20 516.00 28.20 541.00 18.60 564.00 14.50 561.00 13.20 591.00 10.70 658.00 610 711.00 -10 725.00 -1.60
			PR051	LE 2			
DATE 680220 SRVY 49 TIME 1200	PATE 6A022A SHVY 50 TIME 1200	38VY 51 TIME 1200	DATE 68031# 8HVY 52 71ME 1200	DATE 680322 SDVY 53 TIME 1200	DATE 680327 SHVY 54 TIME 1200	04TE 681119 SRVV 55 TIME 1200	DATE 690117 SHVY 56 71™E 1200
504.00 24.70 510-00 25.10 533.00 21.60 550.00 13.20 607.00 9.70 633.00 6.90 665.00 4.40	529.00 23.70 559.00 14.80 580.00 8.10 680.00 8.30 704.00 5.80	543.00 18.10 573.00 14.10 603.00 10.60 689.00 5.70 690.00 6.10	508.00 26.00 515.00 28.10 531.00 21.50 559.00 14.80 580.00 12.90 634.00 8.50 663.00 3.70 739.00 .90	\$04.00 24.80 \$10.00 28.20 \$28.20 \$28.20 \$28.20 \$10.00 14.80 \$10.00 4.80 \$10.00 4.80 \$10.	511.00 26.30	519.00 28.80 525.00 25.80 530.00 22.00 559.00 15.00 581.00 11.00 620.00 7.30 657.00 4.60 686.00 -60 712.00 -2.20	494.00 22.50 517.00 28.30 524.00 27.60 550.00 15.40 500.00 11.10 598.00 9.60 621.00 7.90 661.00 3.80 725.0020 742.00 -1.90

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DATE 69012 88VY 57 TIME 1200	8HVY 58 TIME 1200	DATE 890213 SRVV 59 TIME 1200	DATE 690728 SRVY 61 TIME 1200	Oate 690310 Sevy 62 TIME 1200	DATE 69031# 8RVY 63 TIME 1200	DATE 690321 SRVY 6# TIME 1200	DATE 690618 SRVY 65 TIME 1200
543.00 17.9 561.00 14.8 560.00 13.8 563.00 11.9 643.00 6.9 670.00 4.7 733.00 -1.8	561-00 14-80 578-00 13-80 582-00 11-60 608-00 9-20 636-00 7-90	561.00 14.70 577.00 14.00 543.00 10.60 616.00 6.70 644.00 4.40 739.00 90	543=00 18.00 556=00 14.70 578=00 15.40 610=00 11.00 623=00 8.50 651=00 5.80 676=00 2.00	543.00 17.50 559.00 14.40 577.00 13.60 565.00 A.90 615.00 7.00 626.00 6.70 707.00 -20 707.00 -20 880.00 -210 955.00 -4.10	543.00 18.00 561.00 14.10 570.00 14.10 570.00 8.40 623.00 7.40 671.00 1.80 723.00 1.50 868.00 -3.00 963.00 -5.60	451.00 19.80 461.00 20.90 479.00 20.90 494.00 22.60 513.00 27.10 513.00 27.10 514.00 17.10 578.00 14.10 578.00 2.50 721.00 -20 651.00 2.50 721.00 -2.00 639.00 -2.20	\$22.00 28.10 \$51.00 18.60 \$62.00 13.00 \$72.00 10.30 \$72.00 10.30 \$77.00 -80 \$77.00 7.70 \$77.00 1.50 \$77.00 -2.70
			PRUF				
DATE 690918 8444 66 71ME 1200	DATE 691129 SHVY 67 TIME 1200	0041 B41550	DATE 700115 SHVY 69 TIME 1200	DATE 700122 SRVY 70 FIME 1200	0ATE 700129 8HVY 71 71 = 1200	DATE 700211 SRVV 72 TIME 1200	DATE 700218 SRVY 73 TIME 1200
515-00 28-31 543-00 18-n1 559-00 14-n1 577-00 14-31 577-00 14-31 600-00 8-n1 621-00 7-00 665-00 9-n1 745-00 8-n1 600-00 2-n1 601-00	530.00 22.90 544.90 17.80 559.00 15.90 575.00 14.00 583.00 12.70 622.00 9.60 670.00 12.30 708.00 12.30 744.00 12.80 782.00 9.60	530+00 22-90 544+00 17-80 550+00 14-70 577+00 13-90 5A2-00 11-40 622-00 7-20 644+00 9-90 616-00 3-30 864+00 0-00 914+00 22-40	518:00	\$20.00	519.00 28.60 544.00 17.90 550.00 14.70 577.00 14.10 555.00 10.80 602.00 8.80 702.00 9.30 719.00 7.20 719.00 7.20 719.00 7.20 627.00 233 630.00 210	\$18.00	519.00 26.30 544.00 17.90 562.00 14.60 577.00 14.10 602.00 9.70 646.00 10.20 649.00 11.40 724.00 7.10 724.00 7.10 737.00 5.30 817.00 -2.00
			PRO5]				
DATE 700225 88VY 74 TIME 1200	DATE TOUSOS SHVY TR TIME 1200	DATE 700312 58VV 76 TIME 1200	DATE 700318 SAVY 77 TIME 1200	Date 700507 SRVY 78 TIME 1200	DATE 700812 SRVY 79 TIME 1200	DATE 700930 SRVY #0 TIME 1200	DATE 701201 8×VY 81 71×E 1200
\$18.00 28.10 \$44.00 17.9 \$79.00 14.9 \$750.00 14.9 \$750.00 9.3 \$642.00 10.2 \$733.00 7.9 \$748.00 \$640 \$798.00 \$640 \$798.00 \$3.10	\$61.00 14.70 \$76.00 14.30 \$93.00 9.90 638.00 10.10 698.00 11.30 786.00 2.60 644.0040 892.00 -3.80	694.00 11.30 741.00 7.20 786.00 3.80	544*00 18.10 548*00 15.00 561*00 14.20 590*00 0.430 044*00 10.30 071*00 11.30 770*00 7.40 073*00 1.10 073*00 1.90	544.00 17.50 551.00 12.50 555.00 12.50 590.00 9.20 645.00 11.00 738.00 7.10 776.00 4.20 866.00 1.20 868.00 8.20 918.00 -2.70	540.00 17.90 554.00 15.40 564.00 13.90 554.00 10.80 653.00 10.40 658.00 10.90 702.00 4.10 764.00 4.10 764.00 4.10 764.00 4.10 764.00 4.10 767.00 4.10 767.00 4.10 767.00 4.10	544.00 17.80 571.00 14.70 580.00 13.70 580.00 11.10 670.00 9.70 671.00 10.50 711.00 10.50 711.00 0.80 748.00 0.80 766.00 7.40 6826.00 -2.10	\$62.00 14.10 \$78.00 14.10 \$792.00 9.90 657.00 10.10 661.00 11.10 707.00 10.80 755.00 6.90 798.00 2.80 820.00 =1.80 840.00 =2.10
			PROFI				
DATE 701216 88VY 82 TIME 1200	DATE 710106 SHVY 83 TIME 1200	CATE 710212 8PVY A4 TIME 1200	DATE 710309 SHVY RE TIME 1200	DATE 710408 SRVY A6 TIME 1200	DATE 710604 SRVY 87 TIME 1200	DATE 710811 SRVY 88 TIME 1200	DATE 711008 SRVY 89 TIME 1200
558-00 14-70 574-00 14-40 579-00 15-40 584-00 10-60 597-00 10-60 597-00 10-60 654-00 10-50 669-00 7-60 766-00 7-60 794-00 1-20	544.00 18.00 550.00 14.80 555.00 10.40 629.00 10.40 699.00 9.20 724.00 9.20 766.00 9.40 766.00 9.40 766.00 8.80 744.00 8.80 744.00 8.80 744.00 8.80 744.00 8.80 744.00 8.80	544.00 17.80 561.00 14.60 575.00 14.60 575.00 14.20 577.00 11.20 677.00 11.20 677.00 17.50 677.00 0.05 677.00 0.05 677.00 0.05 678.00 0.00 678.00 0.00 678.00 0.00 678.00 0.00	544-00 17.80 501-00 14.50 574-00 14.50 560-00 14.50 560-00 14.20 624-00 10.30 673-00 10.30 712-00 8.30 711-00 9.90 802-00 9.20 802-00 9.20	544.00 17.80 568.00 14.90 587.00 11.80 627.00 11.80 627.00 11.50 701.00 8.50 744.00 5.60 792.00 1.30 619.00 91.50	544.00 17.00 550.00 14.00 570.00 14.10 564.00 11.00 674.00 11.00 670.00 10.10 733.00 6.80 761.00 2.00	544.00 18.20 561.00 14.80 575.00 14.00 575.00 14.10 616.00 11.80 640.00 11.20 678.00 10.40 729.00 640 771.00 2.20 771.00 90	544.00 16.10 562.00 14.70 575.00 12.70 633.00 12.50 679.00 12.60 692.00 9.20 720.00 9.20 745.00 2.50 761.00 940

POOFILE 2

DATE 7112' BRVY 90 TIME 1200	TIME	720103 91 1200	DATE SRVY TIME	720131	5HYY	720205 93 1200	DATE SRVY TIME		SRVY	720301 95 1200	DATE SRVV TIME	720328 96 1200	SRVY	1500
544.00 18. 551.00 14. 560.00 13. 583.00 12. 620.00 12. 6702.00 8. 750.00 4. 772.00 2. 805.00	0 575.00 0 587.00 0 626.00 0 656.00 0 706.00 0 754.00 0 787.00	16.00 14.70 12.40 11.60 11.90 7.70 4.30	571.00 578.00 550.00 571.00 605.00 679.00 679.00 712.00 712.00 716.00 811.00	28.80 16.70 15.40 11.90 11.90 9.00 5.60 5.60 50	553 * 00 580 * 00 603 * 00 653 * 00 653 * 00 675 * 00 738 * 00 775 * 00 838 * 00	12.10 12.20 11.00 9.70 5.80 4.00 4.20	520.00 528.00 549.00 570.00 600.00 607.00 698.00 731.00 771.00	28.90 17.00 15.30 11.70 8.90 4.40 3.30 2.30	520 + 00 528 + 70 547 + 00 562 + 00 575 + 00 611 + 00 640 + 00 740 + 00 740 + 00 842 + 00 843 + 00	28.60 17.60 15.10 15.30 15.30 7.90 5.30 3.70 2.30	520.00 528.00 552.00 576.00 616.00 676.00 736.00 791.00 609.00	25.60 16.60 15.40	52 n = 00 52 n = 00 54 n = 00 57 4 = 00 58 q = 00 60 4 = 00 63 7 = 00 72 4 = 00 72 4 = 00 82 q = 00 84 7 = 00 87 1 = 00	28.50 17.70 15.60 14.70 11.60 9.30 9.70 7.70 5.70 1.10 .40
						PROF1								
DATE 72086 8844 98 TIME 1200	9 DATE SHVY TIME	721003 99 1200	DATE SRVY TIME	721205 100 1200	DATE SHVY TIME	1200	SPVY TIME		SHVY TIME	730213 103 1200	DATE SRVY TIME	730316 104 1200		
520.00 28.558.00 25.658.00 18.558.00 18.565.00 10.661.00	528.00 546.00 572.00 584.00 616.00 664.00 702.00	28.50 25.70 18.40 14.10 10.50 10.50 8.30 6.10 6.00 1.60 2.50	546.00 563.00 575.00 543.00 543.00 640.00 659.00 709.00 744.00 769.00 639.00	15.50	540.00 540.00 561.00 602.00 621.00 632.00 645.00 736.00 736.00 736.00 832.00 802.00		536.00 546.00 555.00 50.00 601.00 632.00 676.00 727.00 801.00	16.50 16.20 15.40 10.30 6.90 4.50	539.00 546.00 567.00 606.00 629.00 633.00 668.00 710.00 754.00 803.00 811.00	25.70 17.60 16.60 14.40	599.00 604.00 641.00 677.00 709.00 746.00 780.00 818.00 659.00	14.70 6.90 6.90 7.50 4.60 3.10 1.60	565.00 576.00 583.00 603.00 615.00 640.00 665.00 717.00 727.00	16.20 16.90 15.40 13.20 10.20 7.40 5.30
						FROF1								
041E 7304 684V 106 114E 106 16 583.00 16.5 583.00 16.5 583.00 7570.00 5.6 737.00 5.6 737.00 5.6 737.00 3.4 805.00 7.6 737.00 3.4 805.00 7.6 737.00 3.4 805.00 7.6 737.00 3.4 805.00 7.6 737.00 3.4 805.00 7.6 737.00 3.4 805.00 7.6 737	9847 TIME 565-00 583-00 650-00 650-00 650-00 735-00 774-00 774-00 802-00	730612 107 1200 10.00 10.00 14.80 14.80 8.20 6.20 7.60 8.50 7.70 7.70 7.70 4.40 .60	SRVY	730911 108 1200 16.60 16.60 7.10 6.90 7.10 6.90 10.20 6.90 4.90 1.20 40	7ATE SXVY TIME 	16.20 14.00 11.90 10.00 8.40 6.60 5.20 5.20 -70	LE 1							
						PROFI								
DATE 62101 8RVV 1 TIME 1200		1500 5 1500	SRVY	1200	SHVY TIME	630107	SRVV TIME	1200	SHVY TIME	630207 H 1200	SPAA	1500	3 R V Y	630312 M 1200
350.00 10.1 370.00 13.4 208.00 12.7 500.00 12.7 500.00 7.6 601.00 3.6 622.00 .1	0 534.00 0 554.00 0 586.00 0 625.00 0 658.00	19,90 8,90 0,80 2,40 .90 =.80	349.00 415.00 437.00 500.00 500.00 594.00	14 * 40 19 * 80 19 * 70 13 * 00 7 * 00 2 * 40	0.00 73.00 147.00 176.00 218.00 234.00 244.00 267.00 788.00 356.00 356.00 450.00 450.00 655.00	13.90	0.00 72.00 148.00 176.00 216.00 234.00 244.00 287.00 324.00 330.00 360.00 4408.00 4408.00 4408.00 601.00	0,80 0,80 9,40 9,40 8,10 14,50 15,80 19,10 10,70 10,70 11,30 11,80 11,80 11,80 11,80	434.00 498.00 510.00 542.00 577.00 636.00	18.30 11.70 9.40 7.00 6.80 •1.10	390.00 418.00 418.00 502.00 512.00 512.00 595.00 648.00	13.20 19.70 17.20 12.80 10.10 7.70 3.40 .90 e.80	416.00 437.00 452.00 550.00 513.00 575.00 623.00	20 = 20 19 = 10 19 = 80 17 = 20 13 = 00 11 = 50 7 = 80 3 = 20 0 = 00

	1200	DATE SHVV	6304g9 10 1200	DATF 8RYY TIME	630424 11 1200	5HVY	630509 12 1200	DATE SOVY ITME	630617 13 1200	SRVV TIME	630710 14 1200	DATE SRVY TIME	1200	PATE SHVY TIME	630925 16 1200
417.00 442.00 453.00 497.00 513.00 547.00 565.00 598.00 625.00 638.00 652.00	19.80 17.20 12.80 9.80 9.80 8.40 8.40 4.20 2.30	438.0 449.0 510.00 554.0 620.00 646.00	12.80	420.00 501.00 559.00 590.00 668.00 778.00	19.50 12.90 7.70 7.40	399.00 442.00 502.00 512.00 552.00 592.00 661.00	19.10 17.30 12.70 10.10 8.20 8.20	485.00 503.00 510.00 530.00	18.10 14.40 12.10 17.10 8.70 7.60 2.10	501+00 511+00 530+00 595+00 624+00 675+00 704+00	7.60 5.70 1.50	411.00 441.00 470.00 476.00 571.00 571.00 645.00 674.00 705.00	18-90 18-60 16-10 15-20 14-30 8-60 8-70 8-70 1-80	474.00 530.00 596.00 624.00 649.00	15.40 9.00 7.80 4.10 2.30
							PROF								
DATE SRVY TIME	631030 17 1200	DATE SRVY TIME	1200	D#TF SRVV TIMF	1200	DATE SHVV TIME	1200	UATE SRVV TIME		58 V V	640312	8 Q U V	1200	DATE SHYY TIME	
431.00 476.00 520.00 670.00 759.00	16.60 10.00 5.70	428.00 476.00 518.00 68.00 758.00	10-10	505.00 542.00 643.00 706.00 730.00	6.70 3.30	419.00 429.00 471.00 559.00 592.00 626.00	20.60 17.30 6.50 4.90	420.08 427.00 455.00 504.00 512.00 580.00 594.00	17.70 12.30 9.70 4.00 2.50	879.00 813.00 620.00 660.00 702.00	10.20 10.00 1.20 .90	419.00 437.00 478.00 505.00 541.00 583.00 640.00	19.90 16.00 11.40 7.10 7.90	819.00 868.00 528.00 591.00 619.00	19.90 17.30 9.70 8.00 4.80
							PROF1								
TIME	1500	DATE SHVY TIME	26 1200	8 P V Y	650218 27 1200	TIME	1200 1200	SOVY	650527 29 1200	SRVY TIME	18086 30 1200	SRVY	660127 31 1200	84 V Y 7 I M E	660915 32 1200
421.00 432.00 476.00 515.00 547.00 621.00 666.00 712.00	19.90 20.20 16.20 10.40 9.80 3.50 .90	422:00 478:00 521:00 563:00 627:00 642:00	20.30 10.30 10.60 7.30 6.20 3.00	419:00 438:00 488:00 518:00 536:00 685:00	20.60 19.90 14.10 10.30 7.90 0.00 =.70	451.00 489.00 551.00 588.00 613.00	20.20 16.70 5.30 6.80 4.20	420.00 477.00 518.00 554.00 581.00 637.00 654.00 678.00	19.70 15.70 10.00 6.80 7.70 4.50 1.80	433:00 469:00 530:00 580:00 620:00 640:00	19.90 16.90 8.80 6.80 5.80 3.00	433+00 467+00 515+00 570+00	19:70 17:20 9:40 4:10	431.00 500.00 532.00 563.00	20.60 11.20 9.40 4.70
							PROFI								
5RVY Tî×E	660620 33 1200	DATE SHVY TIME		58VY	670113 35 1200	SHVY	670215 36 1200	114E	670501 37 1200	SRVY TIME	670726 38 1200	5944 114E	1200	SRVY TIPE	671107 #0 1200
475.00 515.00 566.00 615.00	16.90 10:40 7:70 1:30	416.00 433.00 463.00 572.00 600.00 661.00 665.00	19.90 19.90 17.20 10.00 8.00 8.50 4.00 .40	442.00 510.00 537.00 587.00 635.00 651.00	20.90 11:10 8:40 7:60 1:70	418.00 485.00 529.00 573.00 608.00	20.10 20.50 15.60 9.80 7.90 4.00	402.00 406.00 412.00 509.00 541.00 561.00	20.70 19.70 20.30 15.40 10.10 7.40 3.50	430.00 513.00 540.00 577.00 619.00 637.00 649.00	20.60 10.50 9.10 6.60 9.10 5.60 3.20	#16.00 #62.00 #96.00 #96.00 \$46.00 605.00	20.10 19.80 17.90 10.60 5.20 6.20 2.70	416.00 431.00 469.00 545.00 568.00 567.00 617.00 632.00 639.00	20.30 21.60 17.20 9.40 9.70 7.20 6.20 5.20
							PROFI								
8844	471206 41 1200	DATE SHVY TIME	68010% 47 1200	SPV*	680111 #3 1200	9800	1200	50 V V	460124 45 1200	TIME	680131 46 1200	SRVV	680207 47 1200	TIME	1200
438.00 522.00 561.00 628.00 672.00 720.00	21.50 9.10 8.90 1.80 1.30	365 + 00 395 + 00 417 + 00 430 + 00 467 + 00 496 + 00 506 + 00 540 + 00 573 + 00 516 + 00	12.00 20.70 20.30 21.20 16.30 18.30 10.70 3.60 4.60	401.00 417.00 424.00 432.00 473.00 505.00 508.00 540.00 567.00	21:40 20:30 20:40 21:60 17:50 10:80 7:60 6:10 4:20 2:40	418-00 430-00 474-00 500-00 526-00 583-00 607-00 640-00 661-00	20.30 17.30 11.50 7.60 2.60 2.90 2.90	417.00 427.00 435.00 455.00 475.00 497.00 537.00 565.00 597.00 665.00	20.40 21.20 21.20 19.40 17.00 11.80 9.20 4.70 4.90 5.60	418.00 430.00 449.00 478.00 503.00 531.00 654.00 670.00	20:40 21:30 20:00 10:00 11:10 7:00 1:00 1:00 1:00	W17:00 W33:00 W77:00 513:00 530:00 560:00 609:00 671:00	20.40 21.20 16.60 9.30 8.40 5.80 4.10 4.00 2.50	417.00 439.00 475.00 510.00 551.00 579.00 620.00	20 = 20 21 = 00 17 = 10 9 = 80 5 = 60 1 = 80

SRVY TIME	49 1200	SAVV TIME	90 228 90 90 91	88VY	680306 51 1200	TIME	680319 52 1200	3 # 4 A	680322 53 1200	TIME	680327 54 1200	39 V Y 1 I M F	681119 55 1200	SHVY TIME	690117 56 1200
399.00 418.00 441.00 502.00 539.00 559.00 614.00	20.10	395.00 417.00 450.00 479.00 510.00 547.00 567.00 604.00 620.00	21.00 20.20 20.00 10.90 10.20 5.20 2.80	410.00 432.00 470.00 496.00 563.00 588.00	21.10 20.20 21.00 17.70 12.60 6.20 7.00 4.70 2.60	396.00 417.00 436.00 473.00 523.00 560.00 609.00 624.00	20.10 21.10 17.30 12.60 8.90 5.40	417.00 439.00 476.00 504.00 520.00 560.00 590.00	20.70 17.10 11.60 9.70 6.10	401:00 418:00 433:00 478:00 507:00 572:00 603:00 618:00	21.30 20.00 21.00 16.40 10.70 6.00 5.30 2.60 1.00	451.00 475.00 478.00	20-40 21-50 19-30 17-70 11-20 9-60 5-10 2-70 	366.00 396.00 418.00 436.00 483.00 538.00 553.00 669.00	12.60 22.00 20.40 21.60 17.80 11.60 7.10 3.40 .50
							PROFI								
3414 3414	690129 37 1200	5844 1146	690207 58 1200	SRVY TIME	690213 59 1200	SHVY	690224	3 D V Y	690226 61 1200	SRVY TIME	690310 62 1200	8844 TIMF	690314 63 1200	89VV TIME	1200
437.00 475.00 485.00 526.00 522.00 622.00 687.00 759.00	21.90 17.90 12.00 6.10 2.90	418.00 437.00 474.00 485.00 560.00 605.00 640.00 728.00	7.10 5.20 11.40 7.10 6.80 3.10	436.00 474.00 484.00 525.00 675.00	20.90 22.00 18:10 11:80 7:60 6:20 2:80	430+00 436+00 538+00	20.90	431.00 438.00 478.00 463.00 503.00 524.00 577.00 591.00	21.00 21.80 18.50 11.60 9.00 A.30 6.00 3.60 2.70	453.00 453.00 465.00 496.00 546.00	21.70 20.10 9.20 8.30 5.50	469.00 508.00 558.00 608.00	22.00 20.10 8.90 4.00 4.90 -1.90 +4.70	364.60 393.00 409.00 416.00 426.00 437.00 453.00 450.00 505.00 523.00	22.40 20.80 21.10 22.40 20.80
							PROFI								
BRVY	690618	3RVY TIME	690918	8PV4	691125 67 1200	TIME	68 1220	SRVY	700115	3RVY TI≃E	700122	SAVY	700129 71 1200	3RVY TIME	700211
407.00 420.00 439.00 433.00 522.00 570.00 630.00 708.00	20.20 21.70 20.40 14.10 9.10	416.00 439.00 484.00 516.00 558.00 601.00 648.00 710.00	20.30 21.70 13.70 11.30 8.70 7.70 2.50 1.40	451.00 465.00 460.00 485.00 507.00 532.00	21.20 21.30 18.10 15.30 17.80 10.50 7.70 4.70 4.70 -50	418.00 436.00 450.00 480.00 510.00 550.00 571.00 613.00 668.00	22.70 21.40 15.60 14.20 11.70 10.10 6.60 4.10	410.00 418.00 434.00 451.00 476.00 482.00 531.00 610.00 664.00 718.00	27.30 20.80 22.30 21.30 14.20 12.70 10.80 7.80 5.80 -3.10	450.00	21.60 14:00 13:00 11:20 8:40 4:80	524.00	22.50 21.50 19.40 13.10 11.40 5.80	#18.00 #40.00 #51.00 #65.00 #87.00 539.00 605.00 703.00	22.70 21.80 19.30 13.00
							PROFI	LE . 3							
SRVY	700218 73 1200	9444 714E	700225 74 1200	8#VY TI≌E	700305 75 1200	SHVY TIME	700312 76 1200	Spvy	700318 77 1200	SRVY TIME	700507 78 1200	TIME	701812 79 1200	SRVY	700930 80 1200
418.00 438.00 452.00 460.00 484.00 535.00 578.00 648.00 720.00	21.10 22.50 21.60 19.60 13.20 11.20 9.20 3.60	418.00 431.00 451.00 451.00 491.00 550.00 605.00 646.00 709.00	22.4n 21.8n 19.60 12.8n 10.40 7.5n	418.00 442.00 487.00 587.00 587.00 645.00 675.00	11-10 9-50 3-40 1-00	474.00 528.00 587.00 603.00 639.00	13.30 11.50 11.70 8.50 5.50	463.00 486.00 528.00 571.00 611.00	19.50 13.30 11.40 11.40 7.90	533.00 583.00 651.00	12.80 11.30 7.10 7.40 6.00 1.50	568.00 588.00 628.00 668.00 718.00	13.40 11.50 8.30 8.50 10.20 8.00	534.00 542.00 603.00 632.00 673.00 713.00	11.40 9.80 10.60 9.00 4.80

SRVY	1200	SHVY	1200	5 7 V Y	710106 83 1200	T1ME	1200	11×€	710309 85 1200	\$RVY TIME	710408 86 1200	SRVV	71060 <i>u</i> 87 1200	39 V Y	710811 ee 1200
418.00 451.00 466.00 509.00 580.00 624.00 658.00 689.00	21.50 19.90 14.30 10.40 5.90 7.30	439.00 470.00 515.00 570.00 618.00	22.50 19.10 13.60 6.50	441.00 471.00 480.00	22.70 19.60 17.70 14.10 10.50 9.10 6.70 5.70	418.00 468.00 495.00 568.00 568.00 623.00 668.00 723.00	22.70 19.50 15.50 10.60 8.30 7.20 6.80	418.00 420.00 449.00 449.00 530.00 574.00 681.00 712.00	21.50 23.00 22.50 19.50 14.60 10.30 8.60	428.00 440.00 458.00 458.00 503.00 543.00 5669.00 7046.00 7046.00	21.40 22.50 20.80 19.70 14.50 9.30 7.10 4.20 1.50	41 P 0 0 0 4 2 7 0 0 3 4 4 3 0 0 0 4 5 4 0 0 0 5 7 3 0 0 0 5 7 3 0 0 0 5 7 3 0 0 0 7 3 3 0 0 0 7 3 3 0 0 0	21.40	442.00 474.00 545.00 576.00 639.00 682.00 702.00	19.00 15.30 13.07 8.80 6.00 3.00
							PROFI								
SRVY	711008 89 1200	SHVY TIME	711201 90 1200	3PVV TIME	720103 91 1200	TIME	720131 92 1200	1 1 HE SUVY	72n2n5 93 12n0	DATE SRVY TIME	720222 94 1200	DATE SRYY TIME	720301 95 1200	5RVY T1ME	720328 96 1200
443.00 467.00 510.00 572.00 581.00 605.00 615.00 636.00 662.00	22.90 19.80 22.90 14.20 11.00 9.00 5.10	418.00 442.00 464.00 509.00 547.00 558.00 639.00 694.00 709.00	22.80 23.10 21.60 19.30 13.60 11.30 7.80 4.80 1.30	469.00 511.00 547.00 577.00 605.00 678.00 720.00	21.50 19.00 13.50	442.00 460.00 463.00 506.00 552.00 560.00 560.00 630.00 680.00 716.00	21.00 16.20 13.00 12.60	460.00 465.00 477.00 520.00 5614.00 657.00 682.00	20.90 20.20 16.70 12.40 7.50 5.40 2.20	428.00 460.00 485.00 485.00 539.00 573.00 605.00 641.00 670.00 691.00	22.40 20.90 13.50 10.70 7.20 5.50 4.20	444.00 450.00 464.00 505.00 534.00 559.00 628.00 672.00	20.40 20.90 20.90 11.60 6.10 6.70 6.40 3.10 60	410.00 440.00 460.00 460.00 460.00 551.00 571.00 613.00 673.00 673.00 723.00 723.00	
							PRUFI								
SRVY	720531 97 1200	54 V Y T I M E	720809 98 1200	SRVY	721003 99 1200	SRVY TIME	721205 100 1200	5 p v y T † m #	730103 101 1200	TIME	730206 102 1200	SRVY	730213 103 1200	SHVY TIME	730316 104 1200
428.00 442.00 464.00 505.00 505.00 544.00 593.00 652.00 679.00 703.00 736.00		442.00 460.00 480.00 500.00 540.00 565.00 565.00 730.00 750.00	22.40 21.30 10.50 11.70 10.90 10.20 9.30 3.70 -2.20	475.00 440.00 460.00 460.00 482.00 507.00 548.00 568.00 568.00 568.00 643.00 643.00	22.70	462.00 464.00 482.00 508.00 556.00 556.00 564.00 701.00 736.00 789.00	20.70	420.00 467.00 467.00 554.00 554.00 57.00 637.00 637.00 774.00	21,90	424.00 451.00 451.00 453.00 555.00 616.00 652.00 772.00	21.00 23.00 21.70 13.50 10.30 7.40 6.00 2.60 e1.10	442.00	21.70 13.00 10.30 6.90 3.90 .10 1.70 1.40 2.00	462.00 500.00 517.00 541.00 621.00 639.00 679.00 719.00 751.00 769.00	21.80 12.70 10.80 8.40 6.70 7.00 5.50 4.10 2.50 1.20 40
							PROFI								
TIME	730324 105 1200 21.90 21.90 23.10 21.80 21.80 21.70 10.70 7.20 4.60 3.40 1.20	SHVY	730401 104 1240 20.90 23.24 21.70 10.20 11.70 4.70 4.70 4.70 8.80 -60	#42.00 443.00	23.20 21.70 21.30 10.80 10.80 7.20 10.00 7.20 10.00 6.50 6.50 6.50	TIME	21.70 20.80 23.10 21.70 14.40 9.90 7.30 8.50 10.20 9.90 6.80 5.00 2.40	5 Q V Y T I M E 424.00 464.00 466.00 466.00 580.00 618.00 660.00 713.00 814.00	20.90 21.90 21.80						

DATE SRVY TIME	621011 1 1200	SRVY	621029 2 12^0	DATE SRVY TIME	1200	SHVY	1200	SPVV		SRVY	630207 E 1200	DATE BRYY TIME	630221	OATE SHVY TIME	1200
245.00 283.00 316.00 337.00 349.00 349.00 401.00 461.00 588.00	10,10 17,90 23,10 25,00 26,00 11,10 8,60 6,60	313.00 331.00 347.00 377.00 405.00 405.00 504.00 535.00	22,50 25,50 26,10 15,30 10,00 9,00 3,80 3,10	349.00 371.00 387.00 425.00 425.00 525.00	25.90 19.80 12.40 9.60 7.30 2.90	247.00 265.00 334.00 374.00 400.00 420.00 420.00 463.00 571.00 781.00	10.40 10.10 20.10 20.80 15.90 12.00 10.00 5.90 4.70 1.80	4.00 40.00 75.00 144.00 241.00 292.00 329.00 346.00 400.00 441.00 448.00 555.00 604.00	4.60 5.30 7.20 7.20 8.90 11.40 13.70 27.40 27.40 27.60 8.80 6.10 3.10	347.00 361.00 441.00 507.00 551.00 594.00	26.50 14.00 6.30 3.80 .50 .50	350.00 379.00 402.00 408.00 549.00 549.00	25.90 14.50 11.20 7.50 50	324.00 334.00 349.00 374.00 390.00 446.00 505.00 536.00	20.80 27.30 20.90 10.50 12.90 0.00 2.60 .70
							PROFI	LE 4							
8844	1500	DATE SHVY TIME	630409 10 1200	8 R V Y	630424 11 1200	DATE SHVV TIME	630509	Date Savy Time	630617 13 1200	DATE SRVY TIME	630710 14 1200	DATE SRVY TIME	630813 15 1200	DATE SAVY TIME	16 1200
442.00 501.00 536.00 585.00	8.90 4.50 2.20 0.00	339.00 350.00 375.00 402.00 493.00 534.00	20.80 20.30 10.50 11.90 5.20 1.20	330.00 348.00 373.00 409.00 454.00 500.00 583.00 618.00	27.20 17.60 17.60 11.60 6.10 7.20 1.80	372.00 394.00 452.00 463.00 502.00 510.00 542.00 577.00	17.60 12.70 6.20 7.60 6.10 5.90 1.80	347.00 371.00 394.00 424.00 461.00 492.00 544.00 600.00	27.30 17.10 12.60 10.10 4.60 8.70 2.80 .90	369.00 391.00 420.00 473.00 495.00 511.00 536.00 555.00 594.00 608.00	17.20 12.90 9.80 7.90 8.00 6.00 7.20 5.50 .50	353.00 361.00 377.00 389.00 455.00 497.40 529.00 547.00	16.60 15.30 11.60 8.60 8.60 5.60 5.70	373.00 394.00 425.00 461.00 502.00 524.00 556.00	10.60 12.50 9.90 8.70 6.80 5.57 2.20
							PROFI								
3RVY TIME	631030 17 1200	DATE SHYY TIME	631101 14 1800	SRVY	631115 19 1200	DATE SKVY T14E	64010A 20 1200	DATE SRVY TIME	1500	DATE SRVY TIME	640312 22 1200	DATE SRVY TIME	640511 23 1200	DATE BRVY TIME	640713 24 1200
370.00 390.00 438.00 483.00 532.00	18:40 13:80 10:10 9:60 7:20	370 - 00 390 - 00 438 - 00 484 - 00 534 - 00	10.10	391.00 473.00 513.00 560.00 595.00 601.00 633.00	14.10 7.20 7.30 6.40 4.90 3.20 1.10	367.00 391.00 431.00 514.00 539.00 551.00	18.30 13.30 9.60 5.50 2.00 1.60	345.00 367.00 391.00 424.00 470.00 527.00	16.40 18.30 13.50 9.60 7.60 1.80	390.00 440.00 510.00 552.00 590.00 668.00 710.00	13.70 6.50 4.30 2.50 1.40 .20	191.00 401.00 442.00 540.00 590.00	13-00 12-50 8-40 5-70 2-60	388.00 419.00 478.00 540.00 568.00	14.20 10.30 7.30 8.00 4.20
							PROFI								
DATE SRVY TIME	640910 25 1200	DATE SHVY TIME	1200		650218 27 1200	54 V Y	650412 28 1200	DATE SOVY TIME	650527	DATE SRVY TIME	1200	8844 1145	660127 31 1200	SRVY	660415 32 1200
365.00 403.00 442.00 536.00 542.00 626.00	17.20 12.00 8.60 10.70 4.30	389.00 428.00 524.00 574.00 606.00 620.00	10.20 4.40 5.80	383.00 430.00 501.00 551.00 603.00 646.00 698.00	15.20 9.20 7.80 7.40 3.40 1.30	370.00 407.00 462.00 501.00 584.00 610.00	9.00 7.00 4.00 2.80	391.00 426.00 484.00 545.00 586.00 641.00 665.00	13.90 10.70 8.10 8.00 6.50 6.40 2.70 1.00	381.00 401.00 455.00 506.00 600.00 625.00 641.00	17.00 13.70 8.80 7.90 7.90 6.10 5.10	373.00 417.00 452.00 452.00 538.00 569.00	18.30 12.90 9.70 8.20 5.50 2.90	371.00 410.00 468.00 552.00 570.00	18.20 11.90 8.60 8.10 4.40
							PPOFI								
SHVY	660830 34 1200	DATE SRVY TIME	670113 35 1200	D&†F 3PVY TIME	670215 36 1200	DATE SRVY TIME		DATE	670726 38 1200	DATE BRVY TIME		DATE SRVY TIME	671107 40 1200	DATE BRVY TIME	671206 41 1200
363.00 393.00 418.00 439.00 501.00 519.00 575.00 625.00	20.70 15.80 10.90 9.50 8.10 5.20 2.90 -80	365.00 199.00 423.00 477.00 522.00	10.00 11.00 8.40 7.00	366.00 396.00 437.00 498.00 547.00	18.30 14.90 9.70 6.80 3.40	347:00 360:00 408:00 456:00 498:00 513:00	22.70 19.10 11.60 8.60 4.30 2.20	352.00 368.00 392.00 412.00 454.00 500.00 542.00 574.00	24.90 14.60 15.60 11.70 9.70 8.20 7.80 5.10 2.20	351.00 372.00 412.00 444.00 489.00 531.00 563.00	25.20 17.70 11.60 9.70 5.60 5.70 2.20	3%5 = 0 0 3 + 8 = 0 0 4 0 8 = 0 0 4 0 0 = 0 0 5 0 1 = 0 0 5 3 1 = 0 0 5 7 9 = 0 0 5 9 5 = 0 0	23.80 13.10 6.60 8.60 5.50 4.00 1.90	356.00 361.00 409.00 434.00 483.00 535.00 565.00	23.60 17:10 13:00 10:50 7:40 7:50 -20

DATE 660105 SRVY 42 TIME 1200	DATE 680111 SRVY 43 TIME 1200	DATE 680118 SRVV 44 TIPE 1200	DATE 6#0124 SHYY 45 TIME 1200	DATE 680131 SRVY #6 TIME 1200	DATE 680207 SRVY 47 TIME 1200	DATE 689214 SRYY 48 TIME 1200	DATE 680220 SRVV 49 TIME 1200
344.00 25.60 352-00 21.80 379-00 17.00 279-00 15.70 410-00 11.40 430-00 7.55 400-00 3.00 556-00 3.00 558-00 3.00 615-00 40	357.00 23.50 363.00 18.40 379.00 10.90 398.00 15.30 418.00 11.70 439.00 9.70 440.00 9.70 440.00 3.10 537.00 3.10 557.00 3.30 560.00 3.00 604.00 2.40	350.00 25.50 368.00 18.30 360.00 17.00 406.00 12.10 415.00 12.10 430.00 12.10 430.00 4.20 530.00 4.20 530.00 1.30 618.00 1.40	352.00 25.00 358.00 25.00 358.00 18.90 401.00 15.30 415.00 12.50 433.00 10.50 433.00 10.50 484.00 0.00 524.00 3.80 534.00 4.80 564.00 4.80 564.00 1.60 625.00 .70	352.00 25.70 558.00 24.00 380.00 14.90 400.00 15.20 414.00 12.30 453.00 8.10 493.00 5.30 511.00 4.70 530.00 6.30	350.00 25.00 388.00 16.70 405.00 14.70 414.00 7.50 503.00 4.80 515.00 4.80 515.00 2.60 627.00 2.70 642.00 1.60	354:00 25:40 370:00 14:70 360:00 17:10 403:00 14:80 400:00 17:10 400:00 7:40 500:00 5:10 500:00 90	350.00 25.30 369.00 18.60 379.00 17.30 403.00 15.10 414.00 12.40 457.00 7.90 506.00 5.40 523.00 4.20 550.00 1.20
			PROF1				
DATE 680228 SRVY 50 TIME 1200	DATE 680306 SRVY 51 TIME 1800	DATE 680314 SRVY 52 TIME 1200	DATE 680322 SRVY 53 TIME 1200	DATE 680327 SOVY 54 TIME 1200	DATE 681119 SHVY 55 TIME 1200	DATE A90117 SRVV 56 TIME 1200	DATE 690129 SRVY 57 YIME 1200
356.00 25.50 368.00 16.70 380.00 17.40 402.00 15.30 421.00 11.50 456.00 7.90 504.00 6.00 533.00 4.00 569.00 60	354.00 25.50 370.00 15.30 394.00 12.60 414.00 12.60 457.00 5.00 557.00 3.40 567.00 3.40	354.00 25.50 370.00 16.40 400.00 14.40 412.00 10.20 464.00 5.20 534.00 3.00 604.00 .00 644.00 .00	353.00 25.50 367.00 18.60 394.03 15.70 413.00 12.50 430.00 10.10 456.00 8.10 504.00 4.90 555.00 2.80 612.00 1.30	354.00 25.10 370.00 18.40 408.00 19.40 413.00 12.20 491.00 5.60 529.00 4.20 566.00 3.70 596.00 1.10 380.00 7.70 700.00 6.00	369.00 18.80 360.00 18.30 402.00 15.70 425.00 11.70 455.00 6.80 507.00 3.90 599.00 1.90 411.00 6.80 698.00 6.80	356.00 27.10 374.00 17.90 385.00 18.30 426.00 9.90 435.00 9.30 485.00 6.10 535.00 6.10 585.00 6.20	385.00 18.20 414.00 14.50 420.00 9.70 435.00 9.20 465.00 9.20 555.00 5.90 577.00 5.90 597.00 02.00 623.00 03.70
			PROFI				
DATE 690207 SRVY 58 TIME 1200	DATE 690713 SHVY S9 TIME 1200	041E 690224 50VV AU 11WF 12U0	DATE 690228 SHVY 61 TIME 1200	DATE 690310 SRVY 42 TIME 1200	04TE 690314 SHVY 63 TIME 1200	DATE 690321 SRVV 64 11HE 1200	DATE 690618 SRVY 65 TIME 1200
374.00 19.10 335.00 18.30 474.00 12.20 435.00 9.20 435.00 9.20 455.00 7.10 551.00 7.10 555.00 2.10 573.00 -2.10 573.00 -2.10 573.00 -2.50 654.00 -3.50	375.00 18.60 365.00 18.60 411.00 14.60 435.00 4.10 435.00 4.10 465.00 6.80 455.00 6.20 571.00 -2.50 571.00 -3.10 593.00 -3.10 593.00 -3.10 593.00 -3.10	373.00 19.00 385.00 18.30 014.00 14.90 423.00 12.30 427.00 10.50 435.00 9.00 485.00 4.70 503.00 2.00	375.00 18.90 385.00 18.30 415.00 14.10 428.00 4.35.00 9.10 485.00 7.50 485.00 4.30 510.00 1.50 520.0030	385.00 18.20 410.00 110.70 427.00 10.70 435.00 8.90 458.00 5.20 478.00 2.80 485.00 3.70 485.00 3.70 555.00 5.60 564.00 1.80 554.00 1.20 554.00 1.20 570.70 -2.00	385.00 17.99 412.00 14.40 435.00 8.90 485.00 2.40 535.00 5.40 623.00 6.40 623.00 6.40 675.00 -1.90 738.00 -4.50 A25.00 -6.80	2A4.00 11.50 295.05 18.40 312.00 22.00 337.00 25.20 373.00 17.20 407.00 14.50 407.00 14.50 407.00 14.50 635.00 4.00 407.00 4.0	356.00 24.40 360.00 20.40 368.00 18.20 409.00 15.30 409.00 9.20 468.00 7.30 5515.00 6.50 561.00 7.70 611.00 6.80 728.00 -1.80
			PROFI	LE 4			
0ATE 690918 SRVY 66 TIME 1200	DATE 691125 SRVY 67 TIME 1200	DATE 691220 SPVY 68 TIME 1200	DATE 700115 SHVY 69 TIME 1200	04TE 700122 SRVY 70 TIME 1200	DATE 700129 SRVY 71 TIME 1200	34TE 700211 SRVY 72 TIME 1200	DATE 700216 SRVV 73 TIME 1200
365.00 16.20 48.00 16.70 426.00 11.20 455.00 9.30 445.00 6.50 445.00 6.50 556.00 7.80 610.00 5.90 656.00 7.80 610.00 5.90 673.00 0.00	385,00 1F,20 417-00 15.00 435-00 6.90 457-00 7.60 556-00 8.50 565-00 8.50 532-00 8.20 632-00 8.20 632-00 8.20 632-00 8.20 632-00 8.20 632-00 8.20 632-00 8.20 632-00 8.20	385.00 18.20 415.00 15.00 485.00 9.70 485.00 10.10 535.00 9.30 560.00 5.85.00 2.90 685.00 = .90	374.00 18.90 385.00 18.20 412.00 15.10 431.00 9.90 485.00 7.80 535.00 8.80 535.00 8.80 635.00 -8.80 635.00 -3.70 740.00 -5.00	374.01 16.60 385.00 16.40 405.00 16.40 450.00 9.70 450.00 7.80 455.00 7.80 555.00 4.50 565.00 4.50 610.00 -20 635.00 -90	374.00 18.50 365.00 18.20 405.00 18.40 415.00 9.70 415.00 8.00 551.00 8.70 515.00 8.70 515.00 8.70 565.00 8.70 645.00 8.70 64	374.00 18.20 385.00 19.30 405.00 19.30 405.00 10.20 435.00 10.20 485.00 8.20 515.00 8.20 535.00 1.00 685.00 -10 746.00 -70 804.00 -2.50	305.00 10.00

SRV∀ †1™Ł	700225 74 1200	DATE SHVY TIME	700305 75 1200	DATE SRVV TIME	700312 76 1200	DATE SHVY TIME	700318 77 1200	DATE SRVV TIME	700507 78 1200	SHVY TIME	700812 79 1200	11>E 2014 01E	700930 80 1200	PATE SRVY TIME	701201 81 1200
585.00 412.00 427.00 455.00 455.00 535.00 585.00 655.00 725.00	15.00 14.00 10.90 10.50 5.30 6.50 4.50 2.20 .90 =.50	374.00 414.00 426.00 435.00 485.00 585.00 635.00 635.00 6777.00	18.90 18.10 14.40 11.30 0.50 4.80 2.90 1.30 -20	3/5.00 4/3.00 4/3.00 4/35.00 4/60.00 4/60.00 5/85.00 6/35.00 6/35.00 6/35.00 6/35.00	14.20 11.10 10.40 7.60 6.60 3.00 1.50 -70 -1.10	385.00 413.00 427.00 435.00 485.00 535.00 612.00 655.00 655.00 655.00 750.00	18.10 15.30 11.20 10.40 6.80 6.10 3.30 3.50 3.80 3.80 3.80 3.80	385.00 408.00 419.00 428.00 435.00 585.00 605.00 650.00 650.00 650.00 770.00	18.30 13.70 10.90 10.90 10.90 5.90 5.90 1.90 1.90 1.70 1.20 80	385.00 414.00 437.00 437.00 486.00 581.00 606.00 612.00 633.00 683.00	16.20 10.60 9.50 5.00 7.50 2.10 1.90 -3.20	427.00 435.00 455.00 456.00 575.00 575.00 620.00 620.00 655.00 645.00	10.50 6.60 7.30 7.50 7.50 6.10 6.20 9.20 4.20 2.40	420.00 435.00 485.00 516.00 516.00 585.00 680.00 705.00	13:30 11:20 10:50 6:20 7:00 7:00 9:10 4:40 :20
							PROFI	LE 4							
0 4 7 E 9 R V Y 7 I M E	701218 #2 1200	DATE SHVY TIME	710106 83 1200	DATE SRVV TIME	710212 84 1200	DATE SHVY TIME	710309 85 1200	DATE SRVY ITME	710408 #6 1200	DATE SRVY TIME	710604 87 1200	047E 8944 714F	710811 #8 1200	DATE SRVV TIPE	711008 89 1200
415.00 425.00 435.00 465.00 536.00 555.00 507.00 607.00 685.00	14.60 11.50 8.30 6.80 5.00 4.10 4.70 4.70 1.40	#11.00 #25.00 #35.00 #65.00 535.00 515.00 b05.00	19.20 11.60 10.80 7.90 7.10 6.20 2.30 .30	414.00 474.00 435.00 435.00 503.00 503.00 503.00 503.00 503.00 503.00 503.00 503.00 503.00 503.00	14.80 11.70 10.80 7.50 5.10 3.90 3.10 1.50 40	408.00 425.00 435.00 485.00 535.00 585.00 623.00 654.00 664.00	15.50 11.20 10.70 6.40 3.80 10 -1.50	412.00 421.00 435.00 485.00 535.00 585.00 685.00	15.10 9.80 10.20 5.50 30 90 -1.60	385.00 408.00 454.00 464.00 533.00 557.00 602.00 641.00 655.00 717.00	18.10 15.60 10.40 7.30 5.30 0.00 0.00 0.00 0.00 0.00	385.00 408.00 435.00 535.00 585.00 606.00 640.00	17.30 15.60 10.70 7.20 6.40 4.80 3.60 1.00	365,00 435,00 445,00 535,00 546,00 545,00 608,00 635,00 685,00	18.30 16.70 9.10 6.80 6.90 7.30 6.50 5.70 -2.90
							PPOFI								
11×E	711201 90 1200	DATE SHVY TIME	720103	DATE SRVY TIME	720131 92 1200	DATE SHVV TIME	720205 91 1200	DATE SQVY TIME	720222	DATE SRVY TIME	720301 95 1200	JATE SRVV TIME	720328 96 1200	DATE SRVY TIME	720531 97 1200
435.00 483.00 506.00 532.00 582.00 682.00 716.00	10.70 8.40 8.80 8.80 6.70 4.00 1.30 .20	424.00 456.00 466.00 466.00 512.00 536.00 587.00 634.00 735.60	13.20 10.60 8.40 8.70 0.10 2.40 -2.40	471.00 480.00 514.00 558.00 584.00 611.00 655.00 683.00 708.00 731.00 770.00	13.00 10.50 8.40 8.60 6.20 6.20 4.70 5.10 .80 0.00 0.00	435.00 485.00 535.00 585.00 535.00 635.00	10.70 7.00 4.40 2.9090	385.00 400.00 415.00 435.00 441.00 465.00 535.00 535.00 535.00	17.20 16.30 14.70 9.20 6.00 3.70 1.70 1.90	385.00 407.00 427.00 435.00 455.00 553.00 565.00 613.00 613.00 685.00 685.00	18.20 16.20 10.80 9.80 6.90 5.30 3.50 2.70 2.00 1.10 .60 -20	3 # 5 + 0 0 4 0 9 + 0 0 4 2 9 + 0 0 4 3 5 + 0 0 4 4 9 + 0 0 5 8 5 + 0 0 5 8 5 + 0 0 5 8 5 + 0 0 7 3 0 + 0 0 7 4 8 + 4 0 7 6 5 + 0 0	18.30 11.00 9.80 7.40 4.40 4.70 4.20 4.80 2.50	385.00 410.00 433.00 530.00 597.00 652.00 710.00 730.00 743.00	18.40 16.50 10.80 7.20 7.50 5.00 5.30 1.00 .30
							PROF								
DATE SRVY TIME		DATE SHYY TIME	1200	59∨¥ TI ⊭E	721205 100 1200		730103 101 1200	DATE Spvy Time	1200	SRVY TIME	730213 103 1200	5214	730316 104 1200	SRVY	730324 105 1200
3 9 5 • 0 0 4 1 0 • 0 0 4 5 5 • 0 0 5 0 0 • 0 0 5 7 0 • 0 0 5 7 9 • 0 0 6 5 8 • 0 0 7 1 2 • 0 0	16:10 9:90 7:60 6:20 7:00 6:20 2:00	385.00 408.00 418.00 430.00 516.00 580.00 605.00 678.00 728.00	10.8n 14.7n 11.nn 7.8n 8.5n 7.7n 7.4n 9.5n 7.4n 9.5n	423.000 424.000 434.000 547.000 547.000 568.000 635.000	9.10 9.70 9.50 8.50 5.30 1.30	417.00 429.00 489.00 540.00 577.00 591.00 631.00 669.00	10.70 9.20 5.20 3.00 4.20 5.10	425.00 430.00 540.00 590.00 638.00 678.00	10.60 9.30 7.60 7.30	413-00 423-00 435-00 464-00 560-00 595-00 617-00 717-00	10.90 10.10 7.00 3.90 -1.00	412.00 435.00 472.00 472.00 517.00 541.00 575.00 639.00 713.00	11.40 10.90 9.70 7.90 7.70 3.30 =.80 4.60 =1.70	402.00 416.00 425.00 475.00 495.00 525.00	11.60 11.00 8.80 7.70 3.30

11.30 11.00 9.10 6.20 4.30 2.90 2.60	\$2 V Y TIME 414.00 429.00 435.00 4513.00 513.00 542.00	107 1200 13.70 11.50 8.10 6.80 6.90 6.20 2.80	8RVV 71ME 412.00 42F.00 455.00 464.00 510.00 570.00 603.00 613.00 653.00	108 1200 15.90 11.40 9.70 6.80 9.00 7.30 6.90 4.40 1.60	5HVY 7IME 413.00 425.00 435.00 485.00 513.00 535.00 645.00 645.00	109 1200 16.30 12.40 11.40 9.70 6.80 7.00 4.90 2.80 1.50 70								
21011 1 1200	SHVY TIME	1200	5°V∀ TI∺E	1200	SRVY TIME	1200	SRVY	1200	SRVY	1500	\$944 3411	1200	BRVY TI"E	1200
25.40 17.80 10.80 7.70 8.30 2.40	259.00 303.00 324.00 402.00 488.00 511.00 551.00	17.17 26.10 26.40 12.10 9.80 8.27 7.00 3.30 1.10	331.00 338.00 365.00 397.00	20.00 20.00 18.70 12.60	95.00 167.00 195.00 233.00 334.00 379.00 416.00 416.00 533.00	7.50 7.90 8.80 12.40 26.20 25.70 17.10 12.40 10.30 6.70	71.00 150.00 101.00 233.00 335.00 343.00 410.00 445.00 485.00 565.00	7,90 7,90 8,40 8,70 12,20 26,00 25,60 25,70 11,40 7,80 8,10 4,90	33R.00 406.00 447.00 504.00	23:10 11:00 8:00 6:40 5:60	332.00 336.00 340.0^ 391.00 419.00 456.00 508.00	26.10 23.60 23.50 13.10 10.30 8.20 4.40	331.00 339.00 406.00 526.00	26.00 23.10 11.60 4.20
1200	SHVY	10	\$RVY TÎ≃E	11	SPV4 TIME	1500	SRVV	13	BRVY TIME	1200	9 R V Y	19	SRVY TIME	630925 16 1200
9.50	481.00	6.40	410-00	11.00 8.50 6.40 7.20 2.30	392.00 480.00 511.00 545.00 578.00	13.10	420.00 513.00	9.80 6.90	491.00	8.00 8.70 3.30	420.00 492.00 505.00 543.00 547.00	9.30 9.90 7.80 8.20 8.40 6.30	327.00 364.00 395.00 424.00 510.00 546.00 590.00	17.90 13.10 10.10 8.10 8.00 7.30
31030 17 1200	3RVY TIME	18 1200	8844 11×E	1900	SRVY TIME	1200	TIME	1200	SRVV	1200	BRVY TIME	1200	SRVY	640713 24 1200
26.60 11.00 9.20 9.20 9.20 6.60	322.00 404.00 444.00 491.00 543.00	26.70 10.80 9.10 9.20 6.20 8.70	389.00 407.00 439.00 459.00 499.00 525.00	13.00 11.60 8.40 7.30 6.50 9.30	317.00 331.00 360.00 404.00	27.50 25.50 17.80	304.00 320.00 352.00	26.20	322.00 347.00 371.00	27.40 19.10 16.20 11.10	325.00 373.00 404.00 495.00 526.00	27.50 16.00 10.60 6.70 5.10		28.90 15.00 10.90
	100 1200 110000 110000 110000 11000 11000 11000 11000 11000 11000 11000 110000	100 SAVY 1100 TIPE 1100 TI	10e Savy 107 1200 TIME 1200 1200 TIME 1200 11-10 494-00 11-50 11-10 492-00 11-50 11-10 492-00 11-50 11-10 492-00 11-50 11-10 492-00 4-10 4-10 492-00 4-10 4-10 492-00 4-10 4-10 492-00 4-10 4-10 492-00 4-10 11-10 492-00 4-10 1200 TIME 1200 11-10 492-00 12-00 1200 TIME 1200 11-10 492-00 12-00 12-00 492-00 12-10 13-00 4	100	100	100	100	100	100	100	100	100	100	100

1200	5HVY TIME	1200	5 P V V † I M F	1200	4746 3417	1200	30V4	1200	TIME	30 1200	39VV 11ME	1500	SRVV TIME	660415 32 1200
10-50 10-50 10-50 11-10 6-10	358.00 409.00 500.00 515.00 544.00	18.70 12.20 6.90 8.40 7.10	370.00 446.00 479.00 529.00	15.50 7.70 8.30 2.00	472.00 503.00 530.00	7.90 6.50 7.80 4.50	501.00 550.00 579.00	8.80 8.80 6.00 6.60 7.90	457.00 501.00 535.00 586.00	15.30 11.70 8.20 9.10 6.80 6.30	370.00 401.00 451.00	16.80 12.00 7.70	362.00 407.00 458.00	19.10 11.70 8.10 9.10
1200	TIME	1200	8 R V Y	1200	SHVY TI4E	1200	S	37	SRVY TIME	1200	39 V V	1200	SRVY TIME	671107 40 1200
10.50 10.50 5.40	364.00 434.00 477.00 519.00 549.00	10.un 14.10 8.50 5.70 10.00 7.80	350.00 430.00 446.00 505.00 550.00	17.70 12.10 10.70 7.20 6.20 2.20	324.00 369.00 403.00 450.00	17.10	408.00 439.00 468.00 504.00 543.00	13.30 11.40 9.10 7.30 4.60	401.00 501.00 554.00 612.00	19.50 13.50 7.40 7.70 9.10	381.00 407.00 498.00 509.00 546.00 584.00	13.80 8.10 9.30 9.30	387.00 412.00 487.00 535.00	14.40 13.20 8.30 9.80 9.80 7.10
1200	SHVY TIME	1200	SRVV	1200	8HVY TIME	6A011A	DATE SQVY Time	1200	SHVY Time	1500	TIME	1200	TIME	680214 48 1200
30 + 10 13 + 90 8 + 20 9 + 00 4 + 50 1 + 90	264.00 289.00 305.00 328.00 340.00 391.90 402.00 456.00 596.00 596.00 710.00	23.00 26.50 26.10 23.50 20.30	319.00 369.00 399.00 410.00 438.00	23.50 19.60 14.40 12.50 10.30 8.80 9.50 7.60	360-90 384-00 415-00 402-00 511-00 566-00 611-00	20.80 16.70 11.60 8.70 7.10 4.90 2.80 2.00 1.70	361.0n 386.00 411.00 454.00 492.00 587.00 646.00 675.00 688.00	20.50 16.80 12.30 9.40 8.00 4.10 4.60 3.00 2.10	339.00 362.00 388.00 408.00 479.00 525.00 561.00 595.00	23.70 20.80 16.70 12.70 8.50 6.80 6.80 6.00 3.30	344.00 360.00 380.00 418.00 442.00 489.00 553.00	20.60 17.40 11.80 10.20 6.50 7.60	324.00 339.00 345.00 366.00 404.00 534.00 534.00 631.00	26.30 23.60 22.90 20.30 12.80 9.30 5.60 4.40 1.20
1200	SRV4	50 1200	BRVY TIME	51 1200	SHVY	52	SRVY	53 1200	SHVY	1200	TIME	1200	SRVY TIME	690117 56 1200
23.60 19.50 12.80 9.40 6.20	32A.00 339.00 350.20 370.00 40A.00 500.00 542.00 646.00	23.60 22.00 19.40 13.10 4.60 8.10	350.00 364.00 468.00 573.00 581.00 600.00	50.50 55.00	364.00 409.00 454.00 513.00 606.00	19.90 12.90 9.50 7.10 2.90	340.00 348.00 371.00	26.20 23.50 27.50 19.50 14.30 11.50 6.20 2.20	339.00 350.00 369.00 391.00	23.40 22.50 20.20 15.60 11.30 8.00 5.30 3.50	340.00 365.00 377.00 421.00 491.00 547.00 547.00 557.00 655.00 770.00 730.00	23.90 20.90 17.40 12.00 10.50 5.90 4.10 2.60 1.10	340.00 360.00 431.00	24.00
	28.500 10	25	25	25	25 34VY 26 36VV 27 17 12 12 12 12 12 12	25 34VV 26 36VV 27 34VV 1200 11145 1200 11145 1200 11145 1200 11145 1200 11145 1200 11145 1200 11445 1200 11445 1200 1145	25 34 17 26 27 34 28 28 28 28 28 28 28 2	28-5 34-VV 2A 36-VV 27 34-VV 2A 36-VV 1200 TIME 12	25 34 17 26 27 27 28 27 28 27 28 27 28 27 28 28	CAMPSION CATE 001105	28-09 OATE 00101 OATE 07072 OATE 070	Campage Cart Sept 27 Sept 27 Sept 27 Sept 28 Sept 30 Sept 28 Sept 28 Sept 30 Sept 30	According Outle edulins	Amengo

DATE 690129 BRVY 57 TIME 1200	DATE 690207 SHYY 5A TIME 1200	DATE 690213 SRVV 59 TIME 1200	DATE 690224 SKVY 6n TIME 12n0	DATE 690228 SRVV A1 TIME 1200	DATE 690310 SRVY 62 TIME 1200	DATE 690314 SRVV 63 TIPF 1200	OATE 690321 SRVY 64 TIME 1200
3Au.00 21.20 3A3.00 17.30 u10.07 12.70 u57.00 4.40 522.00 8.40 554.00 3.40 632.00 2.40 642.00 2.40 762.00 =1.40 544.00 =4.80	3mn.00 2m,1n 3be.00 21,0n 3be.00 17.6n a15.00 12.7n a46.00 11.00 a9a.00 9.0n 529.00 8.An	300.00 24.00 3A0.00 21.40 3A1.00 17.80 419.00 12.50 407.00 10.10 513.00 8.76 508.00 4.50 708.00 4.50 708.00 42.80	340,00 24,00 359,00 21,80 382,00 17,90 419,00 13,30 499,00 10,80 499,00 7,70 555,00 5,10 560,00 2,70	340,00 21,00 369,00 20,30 390,00 11,40 435,00 11,20 542,00 5,80 582,00 3,40 638,00 1,50 655,00 ,90	350.00 21.70 370.00 18.40 3778.00 17.70 402.00 12.70 438.00 11.00 474.00 10.30 522.00 10.30 520.00 2.70 610.0050 658.00 -2.00 658.00 -2.00 683.00 -3.10 892.00 -6.30	325.00 24.40 346.00 22.20 357.00 12.20 357.00 13.10 454.00 13.10 454.00 11.10 550.00 7.90 602.00 .60 605.00 -1.30 606.00 1.10 715.00 1.10 611.00 3.00 6896.00 -5.40	201.00 13.40 300.00 20.50 325.00 20.50 340.00 24.00 301.00 17.20 429.00 17.20 435.00 9.80 590.00 4.20 590.00 4.20 590.00 4.20 590.00 4.20 590.00 4.20
0ATE 690618 8844 65 TIME 1200	DATE 69091A SRVY 66 TIME 1200	DATE 691125 BRVV AT TIME 1200	DATE 691720 SRVY 6R TIME 1200	DATE 700115 SRVY 69 TIME 1200	PATE 700122 SRVY 70 TIME 1200	0ATE 700129 SRVY 71 TIME 1200	DATE 700211 SRVY 72 TIME 1200
321.00 29.90 340.00 26.00 370.00 21.60 370.00 21.60 370.00 10.20 610.00 10.20 550.00 9.30 619.00 6.30 619.00 6.30 62.00 3.70 762.00 =2.30	124.00 20,60 300.00 77.30 370.00 21.40 390.00 10.40 452.00 10.40 560.00 3.00 660.00 3.00 660.0020	376.00 29.20 340.00 27.20 353.00 23.00 362.00 16.20 401.00 11.10 514.00 10.50 650.00 10.50 677.00 6.30 777.00 6.30 878.00 -2.50	32A.00 30.30 343.00 26.50 368.00 16.90 412.00 14.80 438.00 12.90 453.00 10.00 649.00 10.00 798.00 3.50 798.00 .60	351,00 30,10 340,00 26,70 403,00 12,70 403,00 13,30 450,00 10,80 555,00 10,80 655,00 10,80 670,00 5,70 706,00 5,70 706,00 6,70 706,00 6,70 706,00 6,70 706,00 6,70	328.00 30.40 408.00 15.20 423.00 12.77 448.00 11.00 476.00 79.87 558.00 10.30 641.00 10.30 642.00 6.70 748.00 5.30 822.0010	327.00 39.40 333.00 29.00 307.00 19.40 302.00 15.20 405.00 11.00 405.00 11.00 403.00 9.70 501.00 10.20 604.00 10.20 604.00 10.40 607.00 6.10 778.00 3.30 609.00 -1.90	325.00 30.50 304.00 19.70 305.00 14.80 422.00 13.30 422.00 15.50 550.00 10.50 627.00 11.00 654.00 9.30 712.00 2.90 638.00 -3.20
			POOFI	LE 5			
04TE 70021H S9VY 73 TIME 1200	CATE 700725 5447 74 TIME 1200	04TF 700305 SPVY 75 TIME 1200	DATE 700312 SHVY 7A TIME 1200	DATE 700318 SRVV 77 17"F 1200	DATE 700507 SPVY 78 TIME 1200	DATE 700812 SRVV 79 TIME 1200	DATE 700930 SRVY 80 TIME 1200
333.00 31.00 339.00 15.40 431.00 13.10 455.00 11.30 550.00 10.10 502.00 11.10 672.00 4.70 705.00 4.70 705.0090 845.00 -11.40	383.00 10.50 431.00 13.30 405.00 11.30 500.00 9.00 508.00 10.50 607.00 10.50 608.00 4.60 770.00 4.60 830.0070	333-00 31-00 347-00 19-40 431-00 13-26 445-00 11-20 448-00 9-80 549-00 10-90 648-00 7-70 648-00 7-70 747-00 15-70 747-00 15-70 747-00 -50 748-00 -50 7	335.00 31.10 368.00 19.20 392.00 15.90 425.00 11.40 445.00 11.40 495.00 9.60 545.00 10.40 545.00 9.60 545.00 9.60 545.00 3.00 686.00 5.50 723.00 3.60 773.0090	320,00 30,50 371,00 11,40 427,00 11,40 445,00 11,40 445,00 11,30 530,00 10,20 531,00 10,20 531,00 5,70 631,00 7,70 750,00 0,70 612,00 -3,10	334,00 31.00 367,00 19.10 445,00 19.10 490,00 9.70 538,00 10.10 637,00 7.70 693,00 4.90 693,00 4.90 735,00 1.50 785,00 =1.60	335.00 27.50 373.00 17.00 435.00 11.00 440.00 9.70 551.00 8.60 552.00 9.00 599.00 8.70 640.00 6.60 7.70 640.00 1.90 766.00 -2.60	326.00 30.40 340.00 20.40 369.00 19.40 397.00 15.20 430.00 15.30 442.00 13.10 475.00 11.80 522.00 12.10 630.00 10.80 640.00 6.00 687.00 3.30 702.00 .60
DATE 701201 SAVY 81 TIME 1200	NATE 701218 8HVY 82 TIME 1200	DATE 710106 SPVY A3 TTMF 1200	DATE 710212 SRVY 84 TIME 1200	DATE 710309 SRVV A5 TIME 1200	DATE 710408 SRVY 86 TIME 1200	DATE 710604 SRVY 87 TIME 1200	DATE 710611 SRVY 88 TIME 1200
323,00 30,40 30,40 30,00 30,00 30,00 35,00 35,00 32,00 42,00 42,00 43,00 43,00 43,00 43,00 43,00 43,00 43,00 43,00 43,00 43,00 43,00 45,00	318.00 27.50 300.00 27.50 300.00 27.50 300.00 27.50 318.00 12.70 470.00 12.70 523.00 10.50 576.00 10.50 608.00 10.50 6053.00 7.10 706.00 4.20 736.00 1.20	375.00 30.70	327.00 30.80 30.80 335.00 70.00 305.00 77.00 305.00 70.00 305.00 70.00 7	334,00 30,70 335,00 29,30 343,00 26,60 3143,00 11,80 493,00 11,80 493,00 11,80 693,00 10,20 609,00 10,20 609,00 3,00 759,00 3,00 759,00 3,00 759,00 3,00 850,00,80	328,00 30,00 30,00 30,00 305,00 305,00 306,0	\$20.00 30.70 30.30	32A,00 20.00 300,00 20.00 301,00 20.50 413,00 10.50 452,00 11.40 550,00 10.40 633,00 11.00 633,00 11.00 672,00 8.80 721,00 3.60 721,00 1.20 773.0070

DATE 711008 SRVY 89 TIME 1200	DATE 711201 SEVY 90 TI-E 1200	DATE 720103 SPVY 91 TIME 1200	CATE 720131 SKVY 92 TIME 1200	Date 720205 Spvv 93 Ti-e 1200	DATE 720222 SRVY 9H TIME 1200	04TE 720301 58VY 95 TIME 1200	DATE 720328 58VY 96 TIME 1200
327.00 29.40 340.00 27.70 365.00 27.40 413.00 11.10 555.00 11.10 553.00 11.10 653.00 11.10 655.00 10.40 620.00 9.30 620.00 7.11 732.00 3.20 776.00 -1.60	327,00 29,70 340401 27,10 340401 20,50 413401 14,50 445401 14,10 505400 10,10 625400 10,10 625400 10,10 645400 2,20 710400 2,20 745400 4,40 825400 -2,40	326.00 29.80 340.00 27.00 371.00 20.00 413.00 15.00 459.00 10.50 512.00 10.50 504.00 10.50 671.00 7.90 727.00 8.60 702.00	325.00 29.70 344.00 20.57 375.00 19.70 414.00 15.40 444.00 15.40 494.00 16.50 594.00 16.50 594.00 16.50 635.00	417.c0 15.30 444.c0 12.90 479.20 10.80 534.c0 10.80 573.20 10.80 629.00 5.70 647.00 5.70 734.00 2.30 767.00 5.50	413.00 20.60 413.00 15.80 444.00 13.20	344.00 26.50	324.00 29.80 344.00 26.60 376.00 20.30 416.00 15.00 444.00 12.00 510.00 9.90 639.00 4.70 729.10 6.70 729.10 6.00 740.00 4.70 729.10 6.00 750.00 9.90 755.00 9.00
			PROFI				
DATE 720531 SRVY 97 TIME 1200	047E 720809 5444 98 717E 1200	DATE 721003 SRVV 99 TIPE 1200	DATE 721205 SRVV 102 TIME 1200	Cafe 730103 Sovv 101 1716 1200	DATE 730206 SRVY 102 TIME 1200	DATE 730213 SRVY 103 TIME 1200	DATE 730316 SRVY 104 TIME 1200
320.00 29.80 344.00 20.80 364.00 21.80 410.00 15.00 470.00 11.20 514.00 8.70 508.00 7.00 608.00 9.10 700.00 3.50 731.00 -10 741.00 -20	327.00 2%.20 36.00 2%.20 372.00 2%.20 410.30 15.10 466.00 15.10 516.00 7.00 62.00 0.00 774.00 0.00 774.00 0.00 774.00 0.00	331.00 29.00 334.00 20.00 300.00 21.70 31.00 15.20 405.00 11.90 405.00 11.90 405	364-00 26-10 354-00 24-10 363-00 22-30	320,00 20,27 300,00 20,27 300,00 20,27 300,00 15,20 431,00 15,20 43	450.00 13.50 450.00 11.40	332.00 20.10 304.100 20.90 104.00 15.40 452.00 13.40 452.00 13.40 575.00 8.70 654.00 9.50 647.00 9.50	328.00 24.00 359.00 22.00 359.00 22.00 367.00 18.00 415.00 15.50 450.00 11.20 40.00 11.20 40.00 11.20 40.00 11.20 40.00 11.20 40.00 11.20 40.00 40.00 505.00 40.00 505.00 50.0
			PPOFI				
349.00 22.40 383.00 19.10 416.00 15.60 452.00 13.40	04TE 730403 S-VV 106 T1-E 1200 32-00 22-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00 12-00 40-00	DATE 730612 SOV 107 T1-F 1200 373.00 22-00 VAN-00 17-00 V37.00 17-00 V37.00 17-00 V37.00 10-00	74TE 73n911 SHVW 10A T1"E 1270 324470 2240 354470 2240 404470 11.92 544470 2240 404470 11.92 554400 9.50 550400 0.60 559400 9.80 659400 9.80 659400 712400 10.90 6712400 10.90 6712400 0.60 6712400 0.60	041E 731219 Snvv 104 119F 1290 529.00 229.10 140.00 22.30 401.00 12.30 401.00 14.00 471.00 11.00 525.00 487.00 10.80 525.00 48.00 687.00 11.50 687.00 10.50 687.00 10.50 687.00 10.50 687.00 10.50 687.00 10.50 687.00 10.50			

DATE 621011 SRVY I TIME 1200	DATE 621n29 SRVY 2 TIME 12n0	DATE 621208 8PVY II 11ME 1200	DATE 030107 SRVY 4 TIME 1200	DATE 630123 SRVV 5 11ME 1200	04TE 630207 SRVY 6 TIME 1200	DATE 630221 59VY 7 TIME 1200	TIME 1200
A7.00 10.40 150.00 15.20 210.00 19.70 261.00 22.30 275.00 22.70 300.00 20.60 371.00 9.70 410.00 7.20 411.00 1.50	18A.00 19.60 23A.00 22.20 277.00 21.00 321.00 12.70 374.00 8.90 430.00 5.80 473.00 8.50 938.00	195.00 19.50 212.00 20.50 215.00 22.50 255.00 23.10 274.00 22.90 295.00 19.90 322.00 13.20 410.00 4.80	0.00 6,60 143.00 16.20 241.00 22.10 262.00 22.90 287.00 15.30 370.00 7.60 384.00 7.60 418.00 7.90 411.00 5.80 501.000 1.79	12.00 6.50 ab.00 9.40 151.00 15.70 243.00 22.30 262.00 22.80 291.00 11.90 380.00 1.90 a.33.00 6.10 531.00 0.00	264.00 22.90 301.00 18.80 325.00 18.00 372.00 6.10 416.00 8.40 492.00 2.40 502.00 0.00	247.00 22.50 262.00 23.00 299.00 19.30 330.00 22.50 362.00 9.10 394.00 4.60 442.00 4.70 494.00 1.60 535.00 0.00 562.00 0.00	231.00 22.70 251.00 23.40 310.00 10.00 310.00 9.40 324.00 9.40 386.00 9.40 446.00 5.20 463.00 1.50 519.0000

39 t 7 7 4 P E 3 4 T T		3444	10000 10	3 9 v V	11 1200	3444	630509 12 1200	Date Sovv tjmp	630617 13 1200	SRVY	630710 10 1200	8344	630813 15 1200	SRVY T1"E	630925 16 1200	
253.00 374.00 323.00 349.00 406.00 443.00 491.00 519.00	22.20 13.30 10.30 8.30 5.00 2.40	251.00 258.00 298.00 357.00 357.00 357.00 500.00	22.90 18.90 13.20 9.00 9.60 7.00	251.00 295.00 321.00 3A7.00 447.00 4A5.00	21.60 19.10 13.10 8.60 7.60 u.Au	242.00 279.00 302.00 326.00 367.00 417.00 447.00 492.00 531.00	18.30 13.20 8.80 8.20 8.50 2.30	242.00 257.00 324.00 358.00 356.00 433.00 576.00	21.10 13.20 9.20 R.40	300.00 324.00 365.00 390.00 424.00 451.00 473.00 494.00 550.00	13.10 6.60 8.20 8.60 8.00 6.00 6.80	258.00 290.00 303.00 355.00 402.00 402.00 457.00 562.00	11.80 9.10 A.60 6.40 A.00	295,00 325.00 350.00 373.00 399.00	23.60 20.20 13.10 10.20 8.60 6.20 6.50 6.80 6.10 2.40	
							PROF									
SRVV	631030 17 1200	DATE SRVI TIME	12no	041E 88VV 11MF	1500	DATE SHVY TIME	1200	DATE SRVV TIME	640121 21 1200	DATE SAVY TIME	1200	DATE SAVY TIME	1200	DATE SRVY TIME	1200	
294.00 333.00 371.00 412.00 499.00 594.00	12-10 8-40 8-50 7-80 6-20 1-40	294.00 334.00 372.00 412.00 556.00 507.00	12-10 8-30 8-50 7-70 6-10	321.00 333.00 424.00 515.00 560.00	11.70 5.40 6.30	244.00 293.00 322.00 373.00 425.00 456.00	20.60 12.00 7.90 4.50	202.00 252.00 302.00 333.00 344.00 382.00 423.00	23.50 19.00 12.00 11.00 9.60 6.30	275.00 303.00 334.00 347.00 410.00 447.00 572.00	22.30 19.60 12.00 9.60 5.10 3.40	250.00 299.00 335.00 367.00 414.00 490.00 544.00	19.90 11.80 7.90 7.90 7.30 0.00	374.00 413.00 447.00	23.50 11.80 7.00 8.10 8.00 4.30 2.50	
							PROF1	LE 6								
59 v V	640910 25 1200	CATE SRVY TIME	641105 26 1200	DATE SRVV TTME	650218 27 1200	TIME	650412 2A 1200	Sayv Time	650527 29 1200	5PVY TIME	650816 30 1200	DATE SRVV TIME	660127 31 1200	TIME	660415 32 1200	
246.00 282.00 360.00 446.00 492.00 540.00	8.50 9.80 2.90	279.00 301.00 332.00 377.00 439.00 463.00 510.00	22.10 19.30 12.60 10.40 6.20 7.50 5.50	336.00 370.00 388.00 417.00 474.00 545.00	12.30 10.50 7.20 7.80 .20	325:00 369:00 401:00 438:00 467:00	12.90 10.60 6.90 7.40 1.40	259.00 294.00 327.00 359.00 419.00 465.00 535.00 556.00	24.50 20.10 13.00 10.50 8.00 5.80 1.60	279.00 300.00 335.00 396.00 460.00 515.00 530.00	22.80 19.90 12.00 8.30 7.30 5.50 6.00 3.20	294.00 324.00 353.00 392.00 423.00	20.50 13.80 9.90 6.30 3.30	271.00 301.00 329.00 374.00 407.00	22.80 18.30 12.10 7.60 6.70 4.10	
							PROFI	L£ 6								
DATE SRVY TIME	660830 34 1200	SHVY	670113 35 1200	DATE SRVY TIME	670215 36 1200	TIME	670501 37 1200	SPVV	670726 3A 1200	SRVY TIME	670921 39 1200	SR V V	671107 40 1200	SRVV TIME	671206 41 1200	
248.00 271.00 290.00 332.00 3375.00 432.00 500.00 500.00	25.10 23.80 21.00 12.10 9.00 8.10 8.90 1.60 -1.10	276.00 328.00 421.00 518.00	22.00 13.00 6.20 1.30	246.00 300.00 325.00 347.00 415.00	26:10 18:90 13:20 8:90 5:00 3:70	245.00 298.00 331.00 434.00 463.00	25.90 18.90 12.40 5.10 2.60	248.00 306.00 324.00 402.00 439.00 475.00 508.00	26.30 18.40 14.60 7.00 7.80 8.00 3.20	244.00 301.00 336.00 361.00 "21.00 501.00 523.00	26+30 18+90 12+20 10+10 10+40 6+90 4+10	246.00 302.00 333.00 361.00 492.00 492.00 506.00 527.00	26.20 18.60 12.30 9.80 9.10 7.70 6.80 2.70	245.00 301.00 322.00 332.00 442.00 442.00 485.00 561.00	26.30 16.60 13.40 10.00 10.00 6.70 6.10 1.30 .50	
							PROFI									
8 R V Y	680105 42 1200	SRVY	680111 43 1200	SRVY	680118 84 1200	TIME	680124 45 1200	SOVY	660131 46 1200	SRVY TIME	680207 47 1200	SRVY	680214 48 1200	SRVY TIME	1200	
195.00 208.00 235.00 247.00 273.00 300.00 350.00 350.00 350.00 350.00 350.00 350.00	.19.70 22.90 25.90 25.90 26.30 23.00 18.80 11.10 10.40 5.60 3.80	246.00 260.00 278.00 300.00 324.00 394.00 425.00 486.00 530.00	26.30 24.80 18.20 18.20 13.60 11.10 10.40 7.00 4.80 5.10	245.00 271.00 294.00 325.00 355.00 355.00 455.00 498.00 515.00	26.30 23.30 19.40 13.50 11.50 10.60 5.30 5.90 3.50	245.00 258.00 273.00 260.00 298.00 338.00 416.00 451.00 491.00 491.00 518.00 518.00	26.30 25.10 22.90 21.00 15.70 13.60 10.20 7.50 5.30 6.30 2.90 1.10	246.00 259.00 274.00 281.00 .296.00 315.00 419.00 449.00 467.00 537.00	26.30 25.30 21.00 14.90 15.00 11.70 7.70 7.70 7.70	245.00 271.00 316.00 316.00 383.00 405.00 474.00 493.00 539.00	20.30 22.20 19.40 14.20 9.60 8.30 6.30 6.60 5.90 4.10	243.00 273.00 296.00 326.00 404.00 459.00 469.00 514.00	26.30 18.70 13.00 8.90 8.60 6.30 4.50 2.10	246.00 260.00 275.00 299.00 336.00 409.00 500.00	26.20 25.00 22.80 16.70 12.60 9.00 5.60 3.10	

DATE SRVY TIME	1200 1200	DATE SHVY TIME	680306 51 1200	DATE SRVY TIME	68031# 52 1200	DATE SHVY TI'E	680322 53 1200	DATE SOVY TIME	680327 54 1200	DATE SRVY TIME	6A1119 55 1200	DATE SRVY TIPE	690117 56 1200	DATE SRVV TIME	690129 57 1200
248.00 276.00 301.00 334.00 344.00 441.00 467.00 498.00	26.20 22.20 18.30 11.90 9.70 5.80 1.70	257.00 276.00 299.00 330.00 36.00 415.00 465.00 499.00 515.00	26.30 18.50 18.50 12.20 7.70 5.80 6.20 8.90	246.00 274.00 296.00 336.00 366.00 433.00 475.00 517.00	26.20 22.60 19.30 12.60 10.80 6.80 6.20 1.40	246.00 275.00 295.00 332.00 357.00 427.00 460.00 490.00	26.10 19.30 12.60 9.30 6.20 5.70 4.60 1.30	248.00 275.00 300.00 325.00 545.00 479.00 515.00 544.00 560.00	26.10 22.00 18.40 12.80 11.30 8.20 5.30 .60	247.00 271.00 262.00 297.00 323.00 334.00 384.00 454.00 521.00 572.00 618.00	26.90 21.70 19.70 14.10 2.1.70 14.10 9.60 6.80 7.30 2.60 -2.20	188.00 228.00 276.00 331.00 438.00 491.00 536.00	19=80 26+30 23+00 11+70 6-10 7+30 1=50	247.00 277.00 282.00 299.00 336.00 446.00 446.00 502.00 527.00 555.00 656.00 737.00	26.20 22.80 21.10 18.80 11.30 9.60 5.60 3.30 3.20 40 -2.90
							PROF								
DATE SRVV TIME	690207 58 1200	DATE SRVY TIME		88 V Y	690224	DATE BRVY TIME	690228 61 1200	Date Seve Time		SRVY TIME	690314 63 1200	3#VY	690321	8RVY TIME	690618 65 1200
247.00 276.00 276.00 292.00 294.00 336.00 450.00 450.00 450.00 535.00 536.00	27.30 26.20 21.20 19.40 17.80 11.10 5.90 7.20 4.80	247.00 274.00 286.00 300.00 339.00 407.00 459.00 597.00 683.00	26.50 20.60 18.30 11.50 9.10 7.20 5.10 80	247.00 274.00 282.00 399.00 354.00 354.00 411.00 415.00 446.00 484.00 503.00	26.50 21.20 18.30 12.60 10.40 8.80 6.30 4.90 3.20 1.70	247.00 276:00 303:00 336:00 376:00 450:00 464:00	26.40 18.50 14.50 9.40 6.60 3.70	247.00 276.00 283.00 300.00 329.00 403.00 403.00 481.00 521.00 583.00	23.00 21.20 18.20 12.80 10.70 9.40 6.70 5.60	247.00 269.00 299.00 319.00 347.00 444.00 506.00 538.00 581.00 761.00	23.90 21:10 18:50 14:30 10:80 9:40 6:60 4:40 1:70 2:30	205.00 247.00 275.00 308.00 335.00 447.00 529.00 625.00	25.80 25.90 18.60 11.30 10.50 7.00	247.00 264.00 264.00 299.00 317.00 358.00 432.00 474.00 518.00 617.00 617.00	25:20 20:90 21:00 10:50
							PROF1								
TIME	690918 66 1200	DATE SRVY TIME	691129 67 1200	SRVV TIME	68 1200	DATE SHVY TIME	700115 69 1200	DATE SOVV TIME	1200	SRVY TIME	700129 71 1200	DATE SRVY TIME	1500	3411	
247.00 271.00 298.00 329.00 371.00 439.00 501.00 501.00 601.00 651.00	26.50 24.50 22.60 10.30 6.60 9.90 10.30 2.00 1.60	247.00 272.00 267.00 295.00 392.00 502.00 552.00 662.00	26.70 23.90 21.00 21.40 10.40 7.00 6.00 8.00	247.00 252.00 298.00 333.00 430.00 480.00 590.00	26.60 20.90 19.80 12.60 10.30 9.50 10.40 6.50	215.00 244.00 252.00 298.00 347.00 347.00 347.00 527.00 527.00	26.60 24.60 21.40 20.90 9.90 9.90 10.20 5.80 3.70	280.00 287.00 294.00 338.00 395.00 464.00 511.00 555.00 619.00	27,10 17,00 9,70 10,40 8,60 6,90	280.00 294.00 331.00 337.00 421.00 481.00 506.00 559.00 601.00	22.50 22.10 12.90 12.40 10.50 9.80 10.00 8.90 5.20 1.30	275.00 331.00 373.00 450.00 516.00 543.00 646.00 718.00	13:10 10:90 10:10 6:20 8:00 4:80	247.00 271.00 291.00 302.00 328.00 368.00 424.00 478.00 529.00 588.00 654.00	20.90 23.90 22.10 19.30 10.30 6.60 7.90 1.90
							PROFI	LE 6							
SRVY TIME	700225 74 1200	DATE SRVY TIME	700304 75 1200	5DVV TÎME	700512 76 1200	JTAC YVRE 3 ^M LT	700318 77 1200	SRVV	700507 78 1200	SRVY	700812 79 1200	5844	700930 80 1200	SHVY	701201 81 1200
247.00 271.00 270.00 328.00 378.00 433.00 436.00 536.00 586.00	26.80 23.60 21.30 13.00 10.60 9.20 7.30 6.10 1.40 =.50	248.00 273.00 392.00 371.00 431.00 456.00 528.00 551.00 638.00	24.90 23.60 13.60 10.90 9.40 7.70 3.30 +1.00	246.00 274.00 293.00 328.00 328.00 446.00 486.00 570.00 588.00 613.00	26.80 23.20 21.10 10.40 9.20 8.70 8.50 5.50 1.30 =2.00	246.00 278.00 293.00 328.00 370.00 461.00 513.00 560.00 591.00 621.00	26.20 22.00 21.40 13.00 10.70 9.90 8.60 9.00 5.70 1.80	247.00 277.00 289.00 328.00 378.00 498.00 560.00 598.00 648.00	26.70 21.20 12.80 10.40 9.60 4.40 2.00 2.00	243.00 270.00 282.00 303.00 325.00 452.00 497.00 522.00 600.00 647.00	26.90 24.30 21.00 17.50 12.50 9.10 7.70 8.20 9.50	247.00 275.00 292.00 379.00 373.00 473.00 484.00 484.00 578.00 578.00 638.00	26.80 23.40 21.10 12.90 11.30 9.40 10.50 4.30 1.10 4.30	247.00 273.00 286.00 325.00 368.00 467.00 515.00 562.00 611.00	26.60 24.00 21.20 13.00 10.50 9.90 11.00 12.50 5.30 .40 e.70

							PROF 1								
DATE SRVY TIME	701218 82 1200	SRVV	710106 83 1200	5PVY TIPE	710212 84 1200	54 V Y	710309 85 1200	5 R V Y	710408 86 1200	SRVY TIME	710604 87 1200	DATE SRVY TIME	710811 #8 1200	TIME	711008 89 1200
325.00 370.00 410.00 477.00 520.00 545.00 575.00	12.90 10.30 10.30 11.40 6.90 6.70	247.00 277.00 293.00 325.00 340.00 420.00 477.00 500.00 519.00 555.00 609.00 665.00	25.00 22.70 12.90 11.90 10.60 11.20 9.50 9.50 2.00 -1.50		26.90 24.30 20.80 10.20 11.30 9.70 4.70 4.70 -20 -30 -1.50 -2.10	247.00 274.00 286.00 328.00 340.00 408.00 448.00 488.00 521.00 553.00 655.00 669.00	26,90 24,30 20,90 12,70 10,90 9,70 9,80 10,10 7,00 3,40 9,30 10,10	247.00 270.00 296.00 328.00 377.00 425.00 466.00 581.00 634.06 671.00 706.06	26.90 23.40 19.40 12.70 10.60 10.60 10.60 3.00 -90	247.00 267.00 275.00 275.00 328.00 354.00 388.00 420.00 420.00 511.00 570.00 649.00 649.00	25.30 25.30 23.90 19.50 10.90 9.90 10.30 6.70 8.30 1.30 1.30 1.30 1.30 1.30 1.30	247.00 269.00 284.00 330.00 383.00 420.00 470.00 535.00 576.00 627.00 686.00	24.60 19.20 12.60 11.10 10.30 9.60 10.40 6.40 2.40	247.00 269.00 263.00 354.00 354.00 369.00 476.00 537.00 577.00 \$29.00	26.90 24.70 20.10 12.80 11.30 10.20 9.90 10.50 9.10 3.30 -1.80
										742.00	-2.40				
							PROFI								
DATE SHYY TIME	711201 90 1200	SHVY	720103 91 1200	5 R V Y	720131 92 1200	SRVY TIME	720205 93 1200	Date Sevy Time	720272	DATE SRVY TIME	720301 95 1200	SRVV	720328 96 1200	OATE SHVY TIPE	726531 97 1200
259.00 287.00 317.00 451.00 541.00 541.00 570.00 670.00 731.00	25.20 22.80 19.70 12.70 9.80 10.10 10.20 9.40 7.60 -2.50	247.00 253.00 269.00 278.00 238.00 330.00 396.00 449.00 513.00 604.00 678.00	26.90 24.80 18.90 12.70 10.30 7.20 1.90	237.00 260.00 285.00 329.00 360.00 411.00 460.00 513.00 533.00 650.00 650.00 650.00	26.70 20.00 11.90 10.10 10.20 9.70 9.70 9.50 6.80	310.00 344.00 360.00 409.00 460.00 513.00 544.00 602.00 650.00	14.40 10.50 10.00 10.30 10.60 7.20 5.00	230.00 260.0n 289.00 329.00 360.00 450.00 531.00 580.00 611.00	26.70 26.20 20.00 11.90 10.60 11.10 6.70 6.90 2.80	260.00 275.00 310.00 336.00 360.00 403.00 450.00 516.00 575.00 630.00 666.00	26+10 72+00 15-50 11+10 10+70 11+20 7+40 7+60 2+80 +-50	276.00 3.33.00 313.00 325.00 325.00 443.00 516.00 673.00 673.00 678.00 696.00	22.60 17.10 15.30 12.00 10.70 11.40 7.80 5.80 2.50 1.30	260.00 262.00 307.00 352.00 407.00 452.00 558.00 558.00 547.00 632.00	26.10 21.70 16.20 11.20 11.30 11.00 10.40 10.40 5.70 .20 30
							PROFI								
DATE SRVY TIME	720809 98 1200	DATE SRVY TIME	721003	DATF SRVY TIMF	721205 100 1200	6500	730103 101 1200	5844	730206	DATE SRVY TIME	730213 103 1200	SRVY	730316 104 1200	SPVV	730324 105 1200
263-00 282-01 330-00 364-00 412-00 472-00 470-00 510-00 510-00 612-00	26.20 22.30 22.90 11.10 11.20 11.50 11.60 11.60 3.20	247.00 260.00 272.00 292.00 367.00 410.00 500.00 500.00 516.00 541.00 578.00	27.00 23.80 19.70 11.00 11.00 11.10 9.70 7.80 3.10	247.00 262.00 277.00 362.00 361.00 402.00 402.00 518.00 557.00 657.00	27:00 26:50 23:30 40:50 11:60 11:60 11:50 9:50 5:50 1:70 8:60	247.00 261.00 277.00 301.00 327.00 350.00 370.00 421.00 471.00 515.00 500.00 647.90 695.00 738.00	26.80 26.20 23.10 18.60 14.90 13.00 13.70 10.10 9.20 4.00 1.90	247.00 278.00 302.00 328.00 402.00 442.00 445.00 532.00 591.00 639.00	26.80 18.50 11.50 11.50 11.90 11.00 7.50 2.70	265.00 276.00 301.00 327.00 351.00 367.00 401.00 405.00 405.00 536.00 616.00 668.00	25.90 25.30 15.70 12.80 11.40 11.60 10.90 7.60 4.90 2.90 2.30	247.00 276.00 376.00 326.00 406.00 454.00 489.00 551.00 561.00 651.00 672.00	26.90 23.20 18.20 12.50 11.50 11.50 11.90 9.80 9.80 9.80 9.80	247.00 263.00 278.00 303.00 396.00 468.00 491.00 526.00 571.00	20.90 20.90 23.20 10.70 11.30 12.00 11.60 4.30 -2.80
							PROF								
S R v Y	750 4 C 3 10 b 12 0 c 26 . 20 26 . 20 22 . 70 12 . 70 11 . 50 12 . 50 11 . 50 10 .	58 V Y	1200	98VV	730911 108 1200 27.00 27.60 18.70 17.60 11.20 11.30 9.50 11.00 5.40 11.6030 -1.20	SKVY TIME	731219 109 1200 119.30 21.40 19.30 12.20 11.10 11.20 11.10 0.30 0.30 0.30 1.40								

DATE 621011 SRVY 1 TIME 1200	DATE 621029 SHVY 2 TIME 1200	04TI 621208 8RVV II TIME 1200	DATE 630107 SRVY 4 TIME 1200	DATE 630123 SRVV E TIME 1200	DATE 630207 SRVY 6 TIME 1200	04TE 630221 SRVY 7 TIME 1200	DATE 630312 SRVV H TIME 1200
215,00 7,50 248.00 10.30 278.00 20.70 309.00 11.10 363.00 9.40 414.00 7.40 408.00 -11.50 520.00 -2.50 593.00 -2.70	217.00 7.40 265.00 11.90 269.00 20.90 312.00 12.30 332.00 12.30 3379.00 .5.80 419.00 6.00 449.00 3.30 479.00 11.10 505.00 .40 516.00 -0.00 516.00 -0.10	29n,c0 21:10 297:00 17:30 312:00 13:20 318:00 10:70 377:00 5:70	0.00 6.50 50.00 6.80 90.00 6.50 208.00 7.40 502.00 18.40 301.00 12.20 353.00 6.70 302.00 7.30 452.00 3.30	2.00 6.40 60.00 7.10 108.00 8.50 220.00 8.50 224.00 10.90 285.00 11.30 286.00 27.00 336.00 9.20 336.00 9.20 336.00 7.70 431.00 7.70 431.00 9.20 441.00 5.50	324.00 14.10 341.00 8.90 379.00 7.70 401.00 7.50 450.00 1.20	ZAM.00 20.70 ZG.00 19.20 30.00 16.50 321.00 10.10 335.00 10.10 345.00 2.80 445.00 2.80 495.0090	293.00 20.40 338.00 10.70 400.00 2.00 498.00 2.90
			PROFI				
DATE 650521 SRVY # TIME 1200	DATE 630409 SKYY 1n TIME 1400	0ATF 630424 52VY 11 T1ME 1200	DATE 630509 SHVY 12 TIME 1200	Date 63n617 Spvv 13 TIME 1200	OATE 630710 SRVY 14 TIME 1200	DATE 630813 SRVY 15 TIME 1200	047E 630925 SHVY 16 TIME 1200
292.00 27.70 295.00 18.50 332.00 12.00 338.00 10.20 388.00 5.60 490.00 30	200,00 11.80 202.00 20.00 203.00 10.00 312.00 10.30 335.00 10.10 359.00 8.00 418.00 0.00 450.00 270 509.00 .70	251.00 10.30 290.00 20.90 200.00 18.70 315.00 10.10 337.00 10.10 348.00 7.00 410.00 7.20 410.00 1.30 548.0070	260.00 11.80 290.00 21.10 315.00 9.30 359.00 9.30 402.00 6.30 442.00 6.40 469.00 1.00 523.0020	290.06 21.10 344.00 9.30 399.00 7.00 435.00 4.72.00 272.00 2.00 516.00 1.90 574.00 3.00	350.00 8.40 399.00 7.10 956.00 7.20 481.00 3.90 551.00 .50 563.00 .20	273.00 20.80 283.00 20.80 356.00 7.50 425.00 7.50 491.00 7.50 492.00 3.20 573.0020	269.00 20.40 349.00 8.40 360.00 7.20 407.00 7.20 439.00 7.10 471.00 3.70 509.00 1.80
			PROF1				
DATE 631030 SRVY 17 TIME 1200	DATE 631101 SRVY IP TIME 1200	747E 031115 SRVV 19 ITHE 1200	041E 040108 SRVY 20 TIME 1200	DATE 640121 SRVV 21 TIME 1200	OATE 640312 SRVY 22 TIME 1200	DATE 640511 8844 23 11ME 1200	DATE 640713 SRVY 24 TIME 1200
290.00 20.80 302.00 17.10 343.00 4.20 388.00 8.00 432.00 8.30 489.00 7.40 509.00 3.90 584.00 e1.50	292,00 19,80 389:00 9,20 389:00 7,90 433:00 8,30 480:00 7,30 489:00 7,30 59:00 3,80 551:00 30 585:00 =1.50	279.00 20.80 293.00 17.50 330.00 11.50 347.00 6.50 425.00 6.30 475.00 7.70 540.00 2.60 5*4.00 20	287,00 21,50 324.00 13.00 373.00 9,10 400.00 6,00 433.00 4.20	289,00 20.00 344.00 9.20 360.00 6.80 405.00 6.80 436.00 4.50 477.00 1.00	204.00 20.60 344.00 9.10 374.00 7.70 431.00 6.00 461.00 2.60 491.00 -1.10 709.00 .30 544.00 -10 569.0020	28.00 20.50 303.00 17.80 333.00 10.00 344.00 9.10 388.00 8.60 423.00 8.60	290.00 21.00 345.00 9.10 386.00 8.00 433.00 8.50 489.00 1.90
			PROF1				
OATE 640910 SRYY 25 TIME 1200	DATE 641105 SRVY 26 TIME 1200	DATE 050210 SRVY 27 TIME 1200	DATE 650412 SHVY 2A TIME 1200	Date 65n527 SRVY 29 TIME 1200	DATE 650816 SRVY 30 TIME 1200	DATE 660127 SRVY 31 TIPE 1200	04TE 660415 58VV 32 TIME 1200
292.00 20.70 345.00 9.30 340.00 8.90 425.00 9.20 463.00 4.30 505.00 1.10 545.00 0.00	286.00 22.00 305.00 20.10 332.00 12.40 412.00 8.60 443.00 0.80 495.00 8.50 523.00 3.50	287.00 21.10 384.00 11.70 387.00 7.80 432.00 8.90 491.00 1.40 567.00 1.20	306.00 18.60 335.00 11.00 397.00 7.40 435.00 8.00 466.00 3.10	286.00 21.20 322.00 16.60 343.00 11.00 452.00 8.10 500.00 6.10 543.00 2.30 578.00 80		306.00 19.30 338.00 11.10 384.00 9.00 418.00 4.60	266.00 21.70 367.00 17.60 332.00 11.50 344.00 10.00 389.00 6.60 451.00 6.80 463.00 4.50
			PROF1				
DATE 660620 SRVY 33 TIME 1200	DATE 660830 SRVY 34 TIME 1200	DATE 670113 SRVV 35 TIME 1200	DATE 670215 SRVY 36 TIME 1200	DATE 670501 SRVV 37 TIME 1200	DATE 670726 SRVY 38 TIME 1200	DATE 670921 SRVV 39 TIME 1200	DATE 671107 SRVY 40 TIME 1200
281.00 21.20 322.00 16.10 348.00 10.60 389.00 8.90 439.00 9.20 493.00 3.10	281.00 21.80 318.00 10.70 344.00 10.70 373.00 8.60 425.00 9.50 527.00 £.10 579.00 8.00	2A0.00 22.60 312.00 18.60 348.00 10.00 377.00 7.40 434.00 5.40 482.00 2.90 497.00 1.00 521.00 .50	281.00 22.40 319.00 19.10 345.70 11.40 390.00 6.80 441.00 4.20	279.00 21,70 312.00 18.50 322.00 9.60 343.00 6.20 375.00 3.40	274.00 21.80 303.00 18.90 328.00 9.90 356.00 7.10 405.00 8.20 495.00 3.20	279.00 22.20 304.00 19.10 324.00 11.60 362.00 7.30 405.00 6.20 430.00 4.20	276.00 .23.00 302.00 19.20 328.00 10.90 377.00 10.50 393.00 7.20 430.00 5.20 444.00 2.60

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SRVY	671206 #1 1200	SRVY TIME	680105 42 120)	8 P V Y	680111 43 1200	SHVY TIME	1200	59 V Y	1200	59VY TIME	680131 46 1200	SRVY TIME	680207 47 1200	SRVY TIME	680214 48 1200
275.00 306.00 340.00 377.00 405.00 465.00 510.00 571.00	19.10 9.60 9.70 7.50 4.00 2.30	248.00 274.00 306.00 323.00 400.00 442.00 494.00 510.00	21.20 18.70 12.80 8.00 5.20 4.90 2.50	271.00 303.00 318.00 344.00 400.00 430.00 476.00 501.00	13.30 9.80 5.30 5.00	270 • 00 290 • 00 303 • 00 321 • 00 350 • 00 392 • 00 435 • 00 447 • 00	19.50 19.10 12.70 9.00 6.00 4.80	272.00 289.00 318.00 350.00 385.00 404.00 423.00 451.00 504.00	19.50 13.80 10.80 8.40 6.40 5.10 5.80	270.00 287.00 303.00 325.00 361.00 403.00 424.00 460.00	19.80 18:10 12:40 8:30 8:70 9:50 5:40	271:00 302:00 370:00 370:00 351:00 351:00 473:00 454:00	18.90 13.00 10.50 9.70 6.20 5.30	274,00 303.00 317.00 342.00 361.00 409.00 439.00 45%.00	19.10 14.40 9.90 7.30 4.50 3.00
							POCFI								
5 P v V	1200	TIPE	68022A 50 1200	SRVY	680306 51 1200	SHVY TIME	680314 52 1200	PDAA	68n322 53 12n0	SRVY TIME	680327 54 1200	5444 114E	681119 55 1200	SAVY.	690117 .56 1200
269.00 301.00 329.00 349.00 397.00 439.00 473.00 498.00	11.50 6.60 5.90 5.20 4.80	271+00 302+00 314+00 329+00 355+00 410+00 425+00 440+00 452+00	19.10 14.40 11.40 2.00 5.00 3.60	270.00 301.00 322.00 361.00 401.00 437.00 468.00	19.20 11.70 8.00 5.40 5.80	270 * 00 301 * 00 322 * 00 360 * 00 398 * 00 438 * 00 454 * 00 474 * 00	19.10 13.20 8.30 5.70 4.10	270.00 303.00 328.00 374.00 420.00 462.00	19.20 11.90 7.40 3.80	273.00 304.00 339.00 366.00 416.00 436.00 525.00	19.00 10.40 7.60 3.60 3.50 1.20	271.00 284.00 306.00 314.00 358.00 401.00 404.00 510.00 526.00 576.00	00.0	23A.00 269.00 303.00 325.00 393.00 431.00 496.00 512.00 528.00	1.00
							PROFI								
SRVY	690129 57 1200	SHVY	640207 58	8 R V Y	690213 59 1200	3844	690724 60 1200	DATE	855069 19 0051	SRVY	690310 62 1200	9844	690314 63 1200	SRVV	690321
	19.40 13.40 10.10 3.70 .70	303.00 329.00 371.00 390.00 441.00 491.00 545.00	11.20 8.50 6.20 3.40	303.00 322.00 356.00 381.00 398.00	18.30 12.00 9.10 8.70 7.00 1.30 -1.50		8.30 21.50 18.40 14.60 9.80 5.40 1.90	291.00 303.00 309.00 313.00 333.00	15.60		19:en 19:20 6:90 7:30 6:90 3:80	291.00	19.30 19.00 9.10 7.10 7.20 3.30		8.30
							PDOFI								
SQ V V	690618 65 1200	SRVY TIME	66 1200	SPVY	691125 67 1200	TIME	691220 68 0051	SPVV	700115 69 1200	SRVY TIME	700122	SRVY	700129 71 1200	SRVY TIME	700211 72 1200
274.00 294.00 297.00 317.00 349.00 423.00 480.00 587.00	10.00 7.90 8.50 9.60 2.70	271.00 290.00 317.00 340.00 381.00 420.00 495.00 508.00 540.00	10.30 10.40 10.80 8.50 2.00 8.00	310.00 365.00 402.00 414.00 472.00 515.00	18.80 12.80 8.00 8.40 6.30 3.10 1.60	272.00 268.00 311.00 365.00 429.00 489.00 514.00	19.10 12.70 8.40 6.70	270,00 290,00 308.00 354.00 400.00 438.00 465.00 507.00 570.00	18.50 12.80 8.80 8.80 5.80 5.80	289.00 300.00 327.00 356.00 395.00 422.00 460.00 460.00 500000	16.40 11.00 8.00 5.90 7.10	302.00 320.00 355.00 392.00 438.00 487.00 532.00	15.50 14.60 11.40 5.20 6.70 7.20 5.90 1.90	290.00 302.00 318.00 356.00 400.00 443.00	18-60 15-10 12-10 9-50 9-00 8-50 1-60

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SRVY TIME	700218 73 1200	SRVY	700225 74 1200	SRVY	700305 75 1200	DATE SRVY TIME	700312 76 1200	DATE SOVY TIME	70131A 77 1200	SRVY	700507 78 1200	SRVV TIME	700812 79 1200	SKVY TIME	700930 80 1200
274.00 290.00 301.00 310.00 358.00 399.00 426.00 471.00 584.00 621.00	25.70 22.00 19.10 15.70 11.40 9.80 10.10 5.90 2.70 1.80	285.00 302.00 329.00 377.00 414.00 475.00 552.00 602.00 674.00	20.10 15.80 11.50 7.50 3.60 2.00 90	270.00 290.00 302.00 385.00 487.00 482.00 482.00 519.00 537.00 69.00	23.10 21.70 19.00 13.10 10.20 11.40 6.60 2.60 2.60 2.70	271.00 285.00 290.00 310.00 402.00 420.00 457.00 476.00 490.00 510.00	23.00 20.40 19.50 11.80 11.30 8.00 5.30 3.50	271.00 290.00 308.00 399.00 417.00 448.00 483.00 518.00	21.00 19.60 15.50 11.30 11.20 12.80 6.80 3.90 =.60	273.00 289.00 308.00 336.00 379.00 406.00 450.00 490.00 526.00	19.50 18.50 15.20 10.20 9.80 6.80 6.70 5.70 2.50	270.00 294.00 312.00 374.00 404.00 419.00 434.00 484.00 484.00	20.50 17.70 14.30 10.40 10.40 10.90 8.00 6.00 2.10 80	272.00 293.00 302.00 320.00 337.00 392.00 458.00 484.00 512.00 544.00	21.20 18.60 17.10 17.10 10.20 11.20 9.60 6.60 2.40
							PROFI								
TIME	701201 81 1200	DATE SRVY TIME	70121A #2 1200	DATF SRVY TIME	710106 83 1200	DATE SHVY TIME	710212 84 1210	DATE SRVY TIME	710309 85 1200	DATE SRVY TIME	710408 86 1200	041F 3844 11PE	710604 87 1200	SAVY TIME	710811 88 1200
250.00 290.00 303.00 321.00 357.00 398.00 461.00 498.00	20.00 16.70 15.80 12.50 11.10 7.20 1.30 -1.10	285.00 305.00 333.00 375.00 435.03 475.00 505.00	19.60 10.80 10.80 8.40 9.70 4.50 2.00	283.00 306.00 324.00 362.00 391.00 450.00 457.00 503.00	20.10 15.50 12.10 9.70 6.40 3.70 1.70	283.00 298.00 323.00 363.00 423.00 473.00 523.00 503.00	20.90 17.10 12.40 8.80 6.80 5.50 3.70 2.20	271.00 285.00 315.00 336.00 424.00 473.00 517.00 560.00 621.00	21.40 21.40 13.30 10.70 7.80 3.60 2.10 1.00 60	285.00 297.00 316.00 357.00 431.00 476.00 514.00 556.00	22.00 18.20 13.60 10.20 7.30 4.60 2.50 .70	285.00 292.00 296.00 313.00 370.00 411.00 433.00 444.00 444.00 516.00 543.00	20.00 14.40 14.40 14.40 15.30 9.10 10.20 4.80 2.80 2.80	284.00 302.00 320.00 340.00 412.00 441.00 470.00 520.00	22.50 14.90 13.10 11.10 10.00 4.20 2.00
							PQOF]								
DATE SRVV TIME	711008	DAIE SRVY TIME	711201 90 1200	SPVY	720103 91 1200	DATE SHVY TIME	720131 92 1200	DATE SDVV TIME	720205 93 1200	DATE SRVY TIME		3RV¥ TI≃E		DATE SHVY TIME	720328 96 120u
285.00 330.00 333.00 362.00 378.00 504.00 573.00	22.80 14.80 17.10 11.20 10.80 3.60 2.30	281.00 298.00 325.00 360.70 410.00 460.10 543.00	17.60 12.70 10.70 5.10 2.50 2.30	288.00 300.00 325.00 388.00 462.00 542.00 635.00 681.00 705.00	21.90 18:20 12:90 8:40 6:30 4:10 2:10 -70	285.00 297.00 326.00 369.00 475.00 476.00 560.00 612.00 646.00 676.00	23.00 18.80 12.90 10.00 8.00 6.10 3.20 3.40 2.30 -1.10 -1.90	297.00 316.00 336.00 386.00 426.00 475.00 536.00	18.50 14.10 11.60 7.40 a.70 2.90 1.10	285.00 297.00 313.00 343.00 364.00 393.00 427.00 478.00 496.00 515.00	22.60 18.80 14.50 10.20 7.80 5.70 4.10 2.00 .70	297.00 310.00 340.00 393.00 487.00 518.00 532.00	8.30 2.30	287.00 300.00 330.00 370.00 401.00 428.00 452.00 559.00 559.00 570.00 623.00	22.20 17.50 11.70 7.90 5.80 6.60 2.80 1.10 2.70 2.30 1.10 .20
							PROFI								
SRVY TIME	720531 97 1200	DATE SRVY TIME	1200	DATE SRVV TIME	1500	9 × ∨ ∨ 7 1 × E	721205 100 1200	5 p v v 1 i m f	730103	DATE SRVY TIME		DATE SRVV TIME	1500	CATE SPVV TIPE	
287.00 310.00 340.00 375.00 417.00 429.00 667.00 503.00	22.50 18.10 14.90 10.10 9.10 9.80 7.50 2.30 20	289.00 397.00 339.30 387.00 424.00 487.00 559.00 579.00	18.70 15.70 10.50 9.90 7.50 9.00 2.90	2 A A . 0 0 2 9 7 9 0 0 3 3 9 9 0 0 3 A 5 9 0 0 4 2 5 9 0 0 4 0 5 9 0 0 5 1 8 9 0 0 5 3 5 9 9 0 5 3 5 9 9 0	18.70 14.80 10.60 10.10 9.70 7.80 4.20 .90	289 * 00 310 * 00 332 * 00 384 * 00 454 * 00 498 * 00 534 * 00 605 * 00 643 * 00	18.80 15.30 12.80 10.10 9.00 7.80 5.30 2.70 3.10 1.50	290.00 297.00 308.00 338.00 418.00 453.00 498.00 550.00 591.00	18.80 15.80 12.10 9.50 8.60 5.50 2.90 1.10	291.00 302.00 334.00 382.00 435.00 523.00 579.00 648.00	17.50 13.10 9.50 7.80 6.90 3.30 .80	288.00 301.00 329.00 368.00 403.00 408.00 523.00	17.70 13.30 9.50 6.80 4.00	288.00 297.00 307.00 329.00 357.00 382.00 412.00 450.00 482.00 520.00	16.70 15.60 13.00 10.60 8.40 7.60 2.70

DATE 730124 8RVY 105 11ME 1200 291-00 21-80 207-00 15-90 309-00 15-90 329-00 15-90 331-00 8-00 408-00 4-10 440-00 2-10	DATE 730003 SAWY 106 TIME 1200 285000 22-60 297:00 15.90 301:00 17.60 307:00 15.70 307:00 15.70 307:00 15.70 307:00 15.50 307:00 1.35 551:00 -30	DATE 730612 SAUY 107 TIME 1200 297-60 12-37 297-60 11-30 302-00 11-60 302-00 11-50 302-00 8-20 498-00 8-20 498-00 5-10 593-00 1-20 607-0020 607-0080	DATE 730011 SHYY 10R TIPE 1200 200.00 722.20 309.00 15.90 305.00 11.20 375.00 9.50 402.00 9.50 404.00 9.50 404.00 7.90 5404.0070 591.0080	0 a T E 7 31 2 1 9 S a V V 1 1 0 0 I T M F 1 2 0 0 2 2 4 5 0 0 2 2 7 5 0 0 1 9 0 0 3 3 5 0 0 1 9 0 0 3 3 7 2 0 0 1 1 0 0 4 7 2 0 0 4 0 0 4 7 2 0 0 4 0 0 5 7 2 0 7 3 0 5 4 2 0 0 8 0 5 7 5 0 0 - 5 5			
			PROF1				
DATE 621011 SRVY 1 TIME 1200	DATE 621029 SRVY 2 TIME 1200	DATE 621208 SRVY 3 TIME 1200	DATE 630107 SRVY B TIME 1200	DATE 630123 SRVV 5 TIME 1200	DATE 630207 SRVY 6 TIME 1200	DATE 630221 59VY 7 TIME 1200	DATE 630312 SHVY B TIME 1200
177-00 11.60 248-00 11.33 338-00 2.30 379-00 1.50 430.00 0.00	47.00 7.30 61.00 7.40 106.00 8.70 135.00 9.10 172.00 11.30 183.00 11.40 222.00 11.40 278.00 8.80 334.00 8.80 346.00 8.70 370.00 .20 395.00 -10	28.00	0 · 0 · 6 · 30 13 · 0 · 6 · 10 71 · 0 · 6 · 10 124 · 0 · 13 · 10 137 · 0 · 10 · 20 194 · 0 · 11 · 30 260 · 0 · 3 · 80 268 · 0 · 3 · 40	0.00 6.20 48.00 6.30 97.00 8.00 123.00 13.30 137.00 10.40 165.00 10.80 260.00 5.90 310.00 3.90 375.00 1.80 375.00 10.80	72-00 6-70 123-80 133-00 10-20 192-80 11-80 12-80 133-00 13-80 330-00 13-10 330-00 300-00 300-00 300-00 300-00 300-00 300-00 300-00 300-00 300-00 300	72.00 b.10 100.00 8.10 124.00 13.10 104.00 10.00 200.00 11.10 220.00 9.40 220.00 9.40 288.00 5.30 a08.00 =.40	102.00 7.90 126.00 13.00 137.00 10.10 166.00 10.20 193.00 11.00 250.00 7.00 254.00 7.00 354.00 1.00 377.00 .00
			PROF:				
DATE 630321 SRVY 9 TIME 1200	DATE 630409 JRVY 10 TIME 1200	DATE 630424 SRVY 11 TIME 1200	DATE 630509 SHVY 12 TIME 1200	DATE 630617 SRVV 13 TIME 1200	PATE 630710 SRVY 14 TIME 1200	DATE 630813 SRVV 15 TIME 1200	DATE 630925 SPVY 16 TITE 1200
192.00 11.60 218.00 9.50 248.00 6.00 267.00 7.80 364.00 0.00	103.00 8.40 122.00 13.00 135.00 10.20 170.00 10.20 197.00 11.60 244.00 8.20 261.00 7.40 349.00 1.40 386.00 0.00	96.00 7.80 122.00 13.00 134.00 10.00 133.00 11.60 219.00 9.00 286.00 7.40 288.00 7.80	102.00 6.50 122.00 13.10 134.00 10.20 169.00 10.20 193.00 11.70 200.00 8.20 274.00 8.20 304.00 8.20 303.00 0.70	99.00 A.50 121.00 12.00 132.00 10.20 136.00 10.10 191.00 11.80 239.00 8.10 274.00 A.50 327.00 7.60 327.00 7.60 461.0020	200.00 11.00 237.00 5.10 273.00 6.20 307.00 8.70 350.00 6.40 436.00 0.00	125.00 13.10 132.00 10.50 138.00 10.20 167.00 10.20 192.00 11.80 240.00 4.10 315.00 9.00 376.00 3.20 404.00 0.00	119.00 12.80 138.00 10.10 107.00 10.30 191.00 11.00 240.00 8.40 312.00 8.40 343.00 6.00 366.00 2.10
			PROF				
DATE 631030 8RVY 17 TIME 1200	DATE 631101 SRVY 18 TIME 1200	DATE 631115 SOVY 19 TIME 1200	DATE 640108 SRVY 2n TIME 1200	DATE 640121 SRVY 21 TIME 1200	DATE 640312 SRVY 22 TIME 1200	DATE 640511 SRVY P3 TIME 1200	DATE 640713 SHVY 24 TI=E 1200
203,00 11.10 254.00 9.10 299.00 8.30 334.00 6.70 384.00 .80 414.00 -1.20 459.00 -2.10	202.00 11.20 252.00 9.10 300.00 8.50 352.00 6.50 360.00 .70 411.00 -1.30 457.00 -2.30 524.00 -2.30	223.00 13.00 246.00 8.00 267.00 7.50 300.00 7.50 394.00 2.90 432.00 2.30 448.00 1.70	120.00 13.10 134.00 10.20 163.00 10.00 175.00 14.00 204.00 10.90 235.00 6.00 276.00 7.70 342.00 5.10 364.00 4.80	123,00 12.80 130.00 10.70 161.00 11.80 209.00 10.90 217.00 9.90 254.00 7.70 302.00 5.40 350.00 1.80	119.00 13.10 141.00 10.30 157.00 11.00 173.00 14.20 201.00 10.90 346.00 4.70 379.00 +.40	121.00 13.10 131.00 10.40 157.00 11.40 170.00 10.60 240.00 10.60 240.00 8.40 351.00 8.40 354.00 3.40	204.00 11:20 239.00 8.80 307.00 9.10 337.00 5.69 148.00 4.20 381.00 1.80

50 V Y	640910 25 1200	SHVY	6411n5 26 1800	DATE SRVY TTME	650218 27 1200	DATE SHVY TIME	1200	SRVY	690527 29 1200	5RVY TIME	650516 30 1200	5 R V Y	660127 31 1200	TIME	000415 32 1200
206-00 248-00 293-00 368-00 407-00 437-00	10.80 9.40 9.60 2.86 1.60	179.00 206.00 249.00 325.00 354.00 373.00	15.80 11.80 8.80 6.00 7.50 6.00 2.10	180.07 207.00 248.00 304.00 369.00 428.00	16.70 11.00 7.20 7.10 .40 .50	184.00 200.00 260.00 291.00 325.00 375.00	16,10 11,90 6,90 7,10 2,00 80	165.00 200.00 252.00 334.00 307.00 405.00 430.00	16.00 11.10 7.70 5.30 5.80 1.30	185.00 205.00 240.00 365.00 412.00 450.00 465.00	15.90 11.00 6.10 7.80 6.00 1.00 .30	139.00 178.00 203.00 236.00 294.00 324.00	10.10 16.10 11.10 6.10 8.70 3.50	162.00 201.00 220.00 275.00 325.00 377.00	16.20 12.10 9.70 7.40 8.70 2.20
							PROFI								
1 I ME	660530 34 1200	SRVY	670113 35 1200	SRVV	670215 36 1200	DATE SRVY TIME	670501 37 1200	8pvy	670726 38 1200	DATE SRVY TIME	670921 39 1200	DATE SRVY IPE	671107 40 1200	DATE SRVY TIME	671206 41 1200
142.00 177.00 202.00 222.00 300.00 337.00 350.00 435.00 492.00	10.90 16.50 12.00 9.70 8.60 8.70 8.70 8.20 0.30 2.60	176.00 189.00 730.00 291.00 546.00	16.50 13.70 9.30 5.70 1.80	177.00 192.00 297.00 316.00 350.00	15.90 13.60 7.40 3.90 1.90	179.00 192.00 208.00 262.00 323.00 349.00	13.70 15.60 11.70 6.50 3.20 2.40	178.00 228.00 257.00 305.00 342.00	15.80 9.40 7.40 A.80 2.50	183.00 215.00 218.00 239.00 251.00	15.90 11.20 9.80 6.70 4.10	161.00 209.00 213.00 265.00 262.00 299.00	16.70 12.00 6.70 4.20 3.20 2.70	177:00 207:00 217:00 247:00 301:00 400:00 424:00	10.30 12.10 8.40 5.80 4.20 .70
							PROFI								
SRVY TIME	680105 42 1200	TIPE	680111 43 1200		680118	BRVY T1™E	680124 45 1200	SPVY	680131 46 1200	SRVY TIME	680207 47 1200	59 V Y T I M F	680214	5444 714	1200
154:00 180:00 200:00 210:00 219:00 251:00 286:00 330:00		181.00 200.00 209.00 214.00 251.00 260.00 286.00 J27.00	15.00 13.50 12.30 9.60 6.50 5.80 4.90 1.80	183.00 199.00 209.00 275.00 280.00 270.00 284.00	A.40 6.30	183.00 199.00 205.00 225.00 248.00 280.00 330.00 349.00	16.00 13.40 13.00 8.80 6.30 6.20 2.00	183.00 200.00 234.00 234.00 260.00 318.00	16.30 13.60 9.10 7.70 1.10	182.00 199.00 207.00 219.00 233.00 253.00 275.00 287.00	16.20 13.40 12.60 9.60 6.70 4.40 1.00	186.00 199.00 211.00 213.00 270.00 287.00	13.10 11.20 7.90	184.00 199.00 211.00 215.00 244.00 272.00 312.00	
							PROFI								
BALY	680228 50 1200	DATE SHVY TIME	680306 51 1200	8944 T1MF	1200		557080 77 1200	8 R V Y	1200	TIME	6A1119 55 1200	3844 714E	A90117 56 1200	3844	690129 57 1200
186.00 200.00 206.00 216.00 235.00 261.00 278.00 293.00	16.00 13.30 12.50 6.20 7.20 4.30 2.70 2.10	185.00 199.00 202.00 236.00 262.00 275.00 289.00	10.10 13.10 10.10 0.00 0.00 3.70 #.10	185.00 200.00 203.00 260.00 275.00	18.00 13.40 10.40 3.50 2.20	182.00 200.00 202.00 222.00 242.00 279.00	16.50 13.40 11.50 7.80 5.80	183.00 200.00 211.00 231.00 265.00 299.00 346.00	14.70 13.20 9.40 6.20 4.70 1.90	95.00 122.00 157.00 194.00 225.00 255.00 266.00	7.90 13.10 9.00 6.50 4.20 .87	75.00 114.00 144.00 148.00 248.00 271.00 338.00	13.50 10.00 7.00 5.70 3.00	198.00 249.00 275.00 298.00 359.00	13.50 10.20 6.80 4.60 .90 30 40 -1.10 -3.30
							PROFI	Lt 8							
SRVY	1200	54VY TIME	690213 59 1200	BRVY	1500	DATE SHVY TIME	690228	SRVY	1500	DATE SRVY TIME	690314	OATE SRVV TIPE	690321	2 × × ×	690618 65 1200
148.00 198.00 217.00 248.00 298.00 348.00	6.80 6.30 4.00	148.00 198.00 224.00 248.00 281.00 298.00 411.00	7.40 5.50 2.80 20	75.00 120.00 148.00 148.00 248.00 248.00 348.00	13+30 9+80 3+70 +90 =1+10	117:00 134:00 135:00 148:00 177:00 198:00	7.70	53.00 102.00 105.00 120.00 148.00 148.00 248.00 298.00 373.00	7.20 10.20 7.90 7.10 4.90 .20 60	104.00 112.00 148.00 198.00 213.00 248.00 298.00 372.00 458.00	7.60	66.00 94.00 105.00 107.00 106.00 146.00 196.00 240.00 240.00 318.00	4.90	81.00 112.00 146.00 185.00 222.00 273.00 313.00 350.00 377.00 361.00 444.00 553.00	12.00

BRVY TIME	690918	SRVY TIME	691125 67 1200	SRVY	691220 68 1200	SHVY TIME	700115 69 1200	SOVY	700122 70 1200	SRVY TIME	700129 71 1200	59 V Y	700211 72 1200	59VY	700218 73 1200
194.00 193.00 241.00 290.00 335.00 368.00 468.00	13.60	150.00 185.00 187.00 200.00 217.00 240.00 3501.00 349.00 349.00	14.50 10.30 7.60	172.00 205.00 207.00 272.00 322.00 372.00 397.00	12.30 14.10 11.40 6.30 3.50 1.10	178.00 180.00 240.00 281.00 321.00 358.00 398.00 430.00	13.60 12.10 13.10 10.50 8.10 6.20 5.70	148.00 179.00 185.00 201.00 304.00 354.00 404.00 418.00 454.00	13.60 12.20 13.50 13.10 9.70 7.00 5.90 6.80 2.30	198.00 216.00 248.00 288.00 324.00 324.00 358.00 398.00 431.00 468.00	13.70 12.50 12.60 13.70 10.30 10.30 10.10 8.20 7.40 5.80 1.90		13.70 12.50 12.50 13.30 12.90 9.60 4.60 1.00	176.00 181.00 198.00 233.00 240.00 281.00 293.00 349.00 463.00	13.60 12.50 12.50 12.40 13.00 8.50 7.10 2.80
							PROF 1								
SRVY TIME	700225 74 120n	34 V Y	700305 75 1200	SRVY TIME	700312 76 1200	SHVY	700318 77 1200	SOVY	700507 78 1200	SRVY TIME	700812 79 1200	3944 71 ME	700930 80 1200	TIME	701201 81 1200
146.00 174.00 196.00 239.00 256.00 305.00 346.00 433.00 470.00	13.60 12.60 13.10 11.70 5.70 2.90	146.00 174.00 :78.00 246.00 246.00 346.00 346.00 416.00 477.00	13.60 12.30 12.50 12.50 12.70 6.70 6.80 2.60	146.00 169.00 196.00 249.00 273.00 372.00 347.00 369.00 392.00 421.00 449.00	13.60 12.60 11.00 8.10 5.40 3.70 1.00 1.30	172.00 179.00 196.00	13.40 12.40 12.50 12.50 11.40 7.80 4.60 2.80 1.10	145.00 175.00 196.00 248.00 248.00 407.00 445.00	13.20 12.40 12.00 6.80 1.90 2.20	199.00	13.30 12.50 12.60 10.30 8.30 2.40	148.00 176.00 198.00 248.00 248.00 348.00 377.00 382.00 398.00 448.00	13:10 12:10 11:80 7:90 7:50 8:80 7:50 6:30	148.00 180.00 195.00 248.00 248.00 345.00 345.00 353.00 358.00	20:10 20:20 16:30 16:60 18:10 15:00 10:50 8:00 2:10
							PROFI								
SPVY TIME	701218 82 1200	SRVY TIME	710106 83 1200	9844 7148	710212	SHVY	710309 85 1200	SPVY	710408 86 1200	5RVY TIME	710604 87 1200	5 2 4 4 1 1 ME	710811 88 1200	SRVY	711008 89 1200
148.00 198.00 248.00 298.00 338.00 348.00 348.00 448.00	20.20 16.90 18.10 15.40 11.10 9.80 4.80	148.00 172.00 198.00 248.00 248.00 348.00 348.00 348.00 348.00 448.00 448.00 448.00	20.10	311-00 338-00 348-00 368-00 448-00 448-00 548-00	20.30 20.20 15.90 17.40 15.40 10.60 8.30 5.60 2.20	173.00	16.70 19.80 20.10 16.90 17.40 17.40 17.53 10.10 4.90 3.50 2.30 -1.30 -1.10	166.00 185.00 198.00 223.00 223.00 246.00 326.00 335.00 346.00 346.00 448.00	19.20 24.00 20.10 16.80 16.50 17.40 15.70 11.00 9.00 4.60 1.10	178.00	18.10 20.10 20.00 19.60 16.50 16.10 17.20 15.80 14.10 8.90	148.00 198.00 218.00 248.00 328.00 325.00 348.00 429.00 448.00 448.00	20.10	198.00 214.00 238.00 248.00 258.00 298.00 324.00 348.00 398.00	20.10 20.00 17.40 16.60 16.20 16.30 15.90 12.10 11.20 6.20 3.90

DATE 711201 8RVY 90 TIME 1200	DATE 720103 SRVY 91 TIME 1200	DATE 720131 SRVV 92 TIME 1200	DATE 720205 SHVV 93 TIME 1200	DATE 720222 SRVV 94 TIME 1200	DATE 720301 SRVY 95 TIME 1200	DATE 720328 SRVV 96 TIME 1200	DATE 720531 SHVY 97 TIME 1200
145.00 16.50 175.00 20.40 145.00 20.40 218.00 14.70 235.00 16.60 245.00 17.30 320.00 15.70 330.00 12.70 335.00 4.20 335.00 6.00 375.00 3.20 386.00 2.80		149-00 10-00 171-00 19-00 171-00 19-00 20-10 20-10 222-00 20-10 275-00 11-70 29-00 10-20 275-00 11-30 275-00 10-00 375-00 7-70 416-00 7-60 416-00 7-30	148.00 16.60 198.00 20.10 248.00 16.60 298.00 17.30 323.00 16.00 324.00 10.00 348.00 7.10 398.00 4.40 448.00 2.40	108.00 16.90 177.00 20.50 190.00 20.50 190.00 20.40 221.00 20.40 232.00 17.00 240.00 17.40 257.00 17.10 259.00 17.10 259.00 17.10 259.00 3.80 430.00 2.20 488.00 2.20	144.00 16.60 180.00 19.90 198.00 20.10 211.00 19.50 223.00 20.40 238.00 17.50 248.00 16.60 269.00 16.10	175.00 19.90 198.00 20.00 222.00 20.00 235.00 18.00 248.00 16.50 291.00 10.80 291.00 10.80 354.00 5.20 334.00 5.20 337.00 5.20 337.00 7.30 448.00 7.30 448.00 7.30 448.00 7.30	144.00 16.70 174.00 20.20 174.00 20.20 174.00 20.20 224.00 21.10 224.00 16.70 224.00 16.70 224.00 16.70 234.00 7.60 334.00 3374.00 3374.00 4.20 475.00 4.20 475.00 4.20 475.00 4.20
			PROFI				
DATE 720809 SRVY 98 TIME 1200	DATE 721003 SRVY 99 TIME 1200	0 aTF 721205 SPVY 100 TTPF 1200	DATE 730103 SRVY 101 TIME 1200	D4TF 730206 SRVY 102 TIME 1200	DATE 730213 SRVY 103 TIME 1200	04TE 730316 SRVY 104 TIME 1200	DATE 73032# 59VY 165 11ME 1200
178.00 20.00 210.00 19.40 220.00 21.30 230.00 17.40 240.00 16.50 240.00 16.50 240.00 11.70 326.00 9.00 340.00 7.70 377.00 7.90 380.00 8.90 442.00 6.00 442.00 6.00	146.00 16.60 156.00 18.30 179.00 20.10 179.00 20.10 277.00 19.50 222.00 20.90 224.00 16.10 226.00 16.10 227.00 12.00 537.00 7.30 348.00 3.50 348.00 3.50 348.00 3.50 348.00 4.00 4.00 4.00	146.00 17.40 174.00 20.50 179.00 20.50 278.00 20.50 278.00 20.20 278.00 19.00 278.00 19.00 278.00 10.70 341.00 16.50 348.00 6.50 349.00 4.50 451.00 3.90 451.00 3.90 451.00 3.90	183.00 20.30 215.00 19.60 220.00 21.00 233.00 18.10 245.00 16.50 273.00 16.30 278.00 12.90 303.00 6.50 333.00 6.50	150.00 1A.50 197.00 2A.30 225.00 16.50 247.00 16.50 281.00 12.90 381.00 12.90 381.00 2.30 394.00 4.30 409.00 -1,10 303.00 -1,20	206.00 19.50 222.00 20.50 245.00 16.40 276.00 16.00	178.00 20.10 213.00 19.50 223.00 20.50 238.00 17.70 249.00 16.00	1 % % 0 0 16.70 159.00 18.70 196.00 19.90 223.00 19.80 246.00 10.80 276.00 10.80 276.00 13.10 313.00 3.30 343.00 3.30 353.00 1.30
			PROF.	LE 8			
OATE 730403 SBV7 110 TIME 120 158.00 18.70 178.00 20.20 210.00 19.30 223.00 20.00 245.00 16.00 245.00 12.40 245.00 12.40 245.00 12.40 245.00 240.00 240.00 11.40 240.00 220.00 240.00 12.40 240.00 12.40 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00 240.00 220.00	\$RVY 107 TIME 1200 144.00 10.00 144.00 20.10 214.00 10.50 273.00 10.00 330.00 7.00 440.00 30 497.00 90 550.00 20 555.00 010	39.VY 108 TIME 1200 17.50.00 16.30 209.00 19.40 255.00 20.50 2717.00 17.30 270.00 16.40 270.00 16.50 375.00 8.00 375.00 8.00 388.00 8.00 415.00 5.40	nate 731218 3947 100 11/4 1270 148-00 16.90 198-00 20.10 248-00 16.90 348-00 10.00 348-00 0.20 376-00 0.20 376-00 0.20 477-0070				

88 V Y	1200	PATE SHVY TIME	1200	SRVY	1500	9444	1200	Spyy	630123 F 1200	SRVY	630207 E 1200	8 R V V	630221	8 P 4 4	1200
109.00 129.00 173.00 175.00 265.00 288.00 308.00 343.00	11.30 5.70 9.70 11.50 10.30 8.20 7.20 2.90	51.00 107.00 124.00 174.00 185.00 207.00 256.00 270.00 340.00 366.00	11.30 9.20 9.60 11.40 11.20 10.20 7.40 E.00	49.00 130.00 164.00 211.00 221.00 259.00	7.40 9.20 10.80 9.90 10.80 9.10 6.60 4.80	0.00 9.00 28.00 110.00 219.00 270.00 320.00 356.00	7.60 7.60 9.00 11.20 9.30 10.80 7.30 6.00 4.30	0.00 8.00 20.00 52.00 107.00 131.00 207.00 231.00 275.00 276.00 314.00 349.00	7.40 7.30 8.20 9.70 11.10 8.90 10.90 8.80 7.80 4.10 1.10	117.00 160.00 199.00 259.00 289.00 351.00	10.20 10.00 11.10 6.90 7.90 0.00	100.00 126.00 180.00 200.00 319.00 374.00	11.20 9.40 9.40 10.80 4.20 1.50	6# 000 10# 000 132 000 177 000 20# 000 251 000 269 000 334 000 359 000	9.90 11.30 9.40 10.00 7.60 6.90 7.30 0.90 0.90
							PROF1								
TIME	1200	DATE SHYY TIME		DATE BRVY TIME	630424 11 1200	DATE TIME JHIT	630509	DATE SRVV TIME	630617 13 1200	5RVY TIME	630710	3944 11HE	630813 15 1200	3444	630925 16 1200
309.00 336.00 369.00 403.00 421.00	7.30 4.10 1.80 .80 .10	10P+00 12P+00 201+00 261+00 341-00 435+00 500+00	11.20 9.10 10.70 7.10 5.10 2.30 1.20 .70 0.00	101.00 127.00 195.00 257.00 307.00 339.00 343.00 427.00 463.00	11.30 9.30 10.40 7.40 6.50 6.70 6.10 1.50	108=00 128=00 203=00 284=00 344=00 453=00 471=00	11.20 9.30 10.60 7.00 7.80 3.40 20	110.00 127.00 171.00 194.00 213.00 262.00 319.00 409.00 450.00 513.00	11.10 9.30 9.90 10.80 10.80 9.10 7.40 7.80 7.80 6.70 2.60	148.00 197.00 255.00 309.00 372.00 416.00 484.00	9.20 10.50 7.70 7.40 8.20 7.80 5.90 1.20	115.00 142.00 205.00 251.00 311.00 390.00 436.00		115.00 144.00 168.00 221.00 255.00 322.00 342.00 422.00 450.00	11.00 9.50 9.40 10.50 10.70 7.70 7.80 8.10 5.80 3.00 1.80
TIME	631030 17 120n	TIME	631101 18 1200	SRVY TIHE	631115	5KVY	640108 20 1200		640121 21 1200	SRVY	640312 22 1200	SHVV TIME	640511 23 1200	SRVY	640713 24 1200
114.00 136.00 233.00 237.00 287.00 336.00 420.00 449.00 469.00	11.10 9.20 10.60 8.30 8.40 6.50 2.40 .70	114.00 136:00 202.00 230:00 291:00 335:00 419:00 468:00 509:00	11.00 9:00 10.50 8:80 8:40 6:40	202-00	9.90 10.30 7.50 7.20 6.50 7.20 4.60 2.50 1.50	91.00 171.00 216.00 319.00 361.00 387.00	10.90 10.00 8.90 5.40 5.90 1.30	110.00 165.00 210.00 258.00 299.00 342.00 359.00	10.40 9.50 6.60 5.50 3.10 1.40	98.00 173.00 208.00 236.00 264.00 316.00 351.00 420.00	11.20 10.40 9.50 8.30 6.60 5.20 3.00 1.20		10:00 13:10 10:40 5:10 1:50 1:70	157.00 173.00 210.00 250.00 268.00 312.00 351.00 393.00	10.00 13.10 9.50 8.20 8.30 7.00 7.90 3.50
							PROFI								
SRVY TIME	640910 25 1200	BRVV	1200	DATF SRVV TÎME	650218 27 1200	TIME		384A	650527 29 1200	SRVY TIME	650816 30 1200	DATE SRVY TIME	660127 31 1200	DATE SRVY TIME	660415 32 1200
150 = 00 173 • 00 203 • 00 237 • 00 276 • 00 311 • 00 395 • 00 455 • 00	10.00 13.20 9.70 9.10 9.30 8.90 4.20 2.10	168.00 242.00 344.00 389.00 419.00	14.00 8.90 5.70 8.40 3.00	165.00 186.00 20.00 294.00 342.00 396.00 471.00	13.50 11.30 9.30 7.80 7.70 .70	172.00 186.00 285.00 335.00 370.00 406.00	13.50 11.10 7.30 6.10 5.70 1.90	174.00 203.00 269.00 325.00 375.00 468.00 465.00	13.70 9.60 7.10 7.60 5.90 1.30	169.00 200.00 295.00 380.00 470.00 486.00	13.80 10.30 7.10 7.70 2.10 1.50	167.00 193.00 253.00 308.00 325.00	13.90 11.30 8.00 4.90 3.60	173.00 195.00 266.00 339.00 353.00	1 # + 0 0 11 + 10 6 + 50 6 + 60 5 + 20

SRVY TIME	660620 33 1200	3RVY T1≓£	66093n 34 12no	8#V4	670113 35 1200	SHVY TIME	670215 36 1200	SRVY TJME	670501 37 1200	SRVY TIME	670726 38 1200	5844 114E	670921	8#V¥ TI™E	671107 40 1200
100.00 208.00 240.00 297.00 342.00 377.00	14.00 10.60 9.00 8.40 9.50 3.60	115.00 148.00 170.00 210.00 272.00 272.00 299.00 344.00 408.00 456.00 479.00	11.70 10.70 13.70 10.50 8.10 8.50 9.50 8.50 9.50 8.50	168 + 00 191 + 00 233 + 00 293 + 00 394 + 00 415 + 00	15.50 12.50 10.40 5.10 2.30 1.70	174 - 00 186 - 00 231 - 00 364 - 00	15.50 13.20 11.00 2.90	161,00 219,00 393,00 415,96	16.20 11.20 6.30 3.20	206,00	15.50 11.90 10.10 6.20 8.70 7.60	168.00 203.00 328.00 347.00 385.00 420.00	15.40 12.00 4.90 4.60 5.90	171.00 208.00 259.00 302.00 345.00 361.00	18.70 12.30 9.80 6.20 4.10 3.10
							PROFI								
SRVY TIME	671206	9RVY TIME	1200	SRVY TIME	680111 43 1200	SRVY	1200	30 V V	680124 45 1200	BOUV	680131 46 1200	TIME	680207 47 1200	SRVY	48 1200
172.00 269.00 331.00 459.00	15.40 8.50 3.50 0.00	154.00 170.00 175.00 199.00 233.00 268.00 316.00 336.00	10.30 10.30 15.30 13.30 10.10 6.60 2.80	170.00 180.00 200.00 230.00 270.00 306.00 351.00 407.00	16.00 14.30 12.90 10.80 6.50 3.80 2.80 1.40	169.00 182.00 215.00 259.00 304.00	15.40 14.30 12.00 7.10 3.80	176.00 213.00 218.00 248.00 279.00 294.00 323.00 333.00 340.00 376.00 424.00	14.90 12.10 10.70 7.60 5.60 5.60 1.90 1.70 2.30	173.00 177.00 194.00 219.00 260.00 312.00 369.00 397.00	13.80 13.40 7.00	176.60 199.00 215.00 244.00 261.00 304.00 320.00 337.00 359.00 394.00	15:10 13:80 11:80 8:20 5:30 4:40 3:50 1:80 2:00 1:20	170.00 176.00 209.00 241.00 269.00 290.00 314.00	15-70 14-90 12-40 7-90 5-70 4-30 1-20
							PROFI								
TIME	680220 49 1200	SHVY TIME	6AU22A 50 1200	SRVY TIME	680306 51 1200	TIME	680314 52 1200	SAAA	680322 53 1200	TIME	680327 54 1200	3 R V V	681119 55 1200	SHVY	690117 56 1200
170.00 203.00 247.00 275.00 319.00 334.00	15.10 13.00 7.40 5.30 .40 50	170.00 176.00 196.00 216.00 220.00 252.00 281.00 297.00 307.00	15.80 14.80 13.70 11.90 10.70 7.50 4.80 2.30 1.80	170.00 175.00 196.00 227.00 264.00 306.00 316.00	15.80 14.70 13.70 9.80 6.20 3.30 1.80	170.00 180.00 208.00 254.00 319.00 326.00	15.70 14.50 12.00 6.60 1.90 1.60	170.00 177.00 198.00 240.00 324.00 347.00	15.30 10.50 13.20 7.50 1.60 2.00	176.00 208.00 253.00 324.00 403.00	12.00 6.80 1.80	149.00 166.00 179.00 180.00 219.00 252.00 303.00 303.00 356.00 485.00	15.10 15.20 11.30 7.10 4.70 3.10 1.90 1.50	175.00 182.00 222.00 250.00	15.40 15.90 15.20 12.10 6.00 7.60
							PROF!	LE 9							
SRVY TIME	690129 57 1200	BRVY TIME	690207 3A 1200	89 V Y T I M E	690213 59 1200	5HVY TIME	690724	SRVY	690228 61 1200	SRVY TIME	690310	SRVY	690314	SHVY TIME	690321
171.00 182.00 205.00 253.00 286.00 340.00 412.00 466.00	12.00 9.70 4.60 3.60 40	171:00 178:00 221:00 259:00 308:00 361:00 456:00	7.70 3.30 4.00	185.00 211.00 249.00	12.20 08.8 09.6	14A.00 171.00 202.00 209.00 401.00	15.90 9.00 3.00	171.00 188.00 224.00 259.00 277.00	11.00	171.00 178.00 206.00 249.00 263.00 294.00 357.00 427.00 507.00	8.90 7.90 2.20 0.00 .50 1.00	178:00 198:00 237:09 271:00 283:00 331:00 604:00	7.50 1.70 50 1.50 1.40	144.00 162.00 170.00 194.00 257.00 309.00 392.00	10.10 14.20 16.30 7.60 4.00 1.20

DATE 690618 SRVY 65 TIME 1200	DATE 690918 SRVY 66 TIME 1200	DATE 691125 SRVY 67 TIME 1200	DATE 691720 SHVV 68 TIME 1200	Date 700115 SRVY 69 TIPE 1200	DATE 700122 SRVY 70 TI-E 1200	DATE 700129 SRVY 71 TIPE 1200	DATE 700211 89VY 72 TIME 1200
168.00 14.70 205.00 14.60 239.00 15.20 240.00 15.20 265.00 11.60 324.00 9.20 357.00 7.00 466.00 •4.20	166-00 15-50 193-00 15-40 239-00 16-20 297-00 11-70 366-00 9-40 379-00 3-90 395-00 2-30	174.00 14.40 239.00 15.30 309.00 10.40 348.00 10.40 417.00 11.80 451.00 9.10 489.00 4.20 529.00 1.30 570.00 -2.50 615.00 -3.70	174.00 14.50 247.00 15.10 252.00 14.50 314.00 10.50 377.00 11.20 413.00 11.40 455.00 7.40 462.00 7.10 537.00 =.10	174,00 14,60 214,00 15,00 247,00 15,00 247,00 17,20 291,00 11,40 405,00 11,40 405,00 9,90 488,00 8,10 517,00 3,00 517,00 3,00 559,00 =2,00	174 n 0 14.50 205.00 14.70 240.00 15.30 292.00 11.30 329.00 11.30 385.00 11.80 445.00 10.10 469.00 8.60 507.00 5.10 541.00 551 572.00 -1.50	174 + 00 14 + 60 217 + 00 15 + 00 24 + 00 15 + 30 261 + 00 12 + 10 32 0 + 10 + 10 20 20 20 20 20 20 20 20 20 20 20 20 20	174.00 144.70 240.00 154.40 275.00 124.30 302.00 114.50 365.00 114.50 414.00 8.40 484.00 9.20 542.00 5.10 607.00 .60 647.00 63.00
			PROFI				
DATE 700218 SRVY 73 TIME 1200	DATE 700725 SHVY 74 TIME 1200	DATE 700305 89VY 75 TIME 1200	0ATE 700312 SHVY 7A TIME 1200	DATE 700316 SRVY 77 TIME 1200	DATE 700507 SRVY 78 TIME 1200	DATE 700812 SHVY 79 TIME 1200	DATE 700930 SHVY 80 TIME 1200
174.00 14.80 214.00 15.00 245.00 15.00 257.00 12.90 308.00 11.20 365.00 11.30 474.00 9.40 525.00 3.50 601.00 .80 662.00 .30	174.00 14.80 232.00 15.30 279.00 15.30 330.00 11.30 382.00 10.40 448.00 9.50 766.00 2.60 557.00 9.10 604.00 #1.70	174.00 14.70 210.00 14.70 244.00 14.70 240.00 12.00 348.00 11.30 412.00 9.60 473.00 8.70 518.00 7.60 599.00 \$\$?20	174.00 14.70 218.00 15.00 239.00 15.50 209.00 13.30 305.00 11.00 349.00 9.70 455.00 9.80 507.00 9.80 557.00 5.70 557.00 5.70 567.00 9.20	174,00 14.80 207,00 14.80 202,00 11.00 222,00 11.80 321,00 11.20 370,00 10.80 415,00 9.70 402,00 9.70 504,00 9.70 505,00 2.20 575,00 9.10 612,00 9.10	174.00 14.80 207.00 14.70 245.00 14.90 345.00 11.00 340.00 10.80 395.00 10.30 435.00 10.00 490.00 7.90 5370.00 10.30 370.00 10.30	145.00 12.00 164.00 16.10 175.00 17.70 213.00 17.80 213.00 17.80 310.00 14.30 360.00 11.20 415.00 9.00 510.00 5.90 510.00 5.90 500.0060	16A,00 14.80 177.00 18.50 245.00 19.30 254.00 16.30 255.00 15.50 345.00 17.50 345.00 17.50 345.00 17.50 424.00 11.50 460.00 9.20 492.00 4.20 508.00 1.10
			PROFI	LE 9			
DATE 701201 8RVY #1 TIME 1200	DATE 701218 SHVY R2 TIME 1200	PATE 710106 BRVY B3 TTME 1200	DATE 710712 SHVY 84 TIME 1200	DATE 710309 SRVV R5 TIME 1200	DATE 710408 SRVY BA TIME 1200	047F 710604 38VY 87 TIME 1200	DATE 710RI1 SNY 89 TIME 1200
153.00 10.50 10.50 154.00 152.00 154.70 154.70 212.00 164.70 255.00 174.70 264.00 164.70 255.00 164.70 255.00 164.70 255.00 164.70 255.00 164.70 255.00 164.70 255.00 155.50 441.00 114.10 155.50 255.00 125.50 255.	230.00 19.30 205.00 18.70 205.00 18.70 205.00 18.30 350.00 17.40 390.00 12.50 400.00 7.40 405.00 3.00 550.00 3.00 560.00 1.60	179.00 18.60 271.00 19.50 224.00 18.70 274.00 18.70 374.00 15.80 374.00 17.30 376.00 17.30 407.00 17.30 407.00 4.20 500.00 2.30 532.00 2.30	180.00 18.80 204.00 18.80 204.00 19.30 354.00 19.30 357.00 15.90 352.00 17.10 384.00 14.10 364.00 2.10 304.00 .70 602.00 -30 602.00 -1.10	17',00 11',50 25',00 11',50 25',00 11',50 25',10 25	181,00 15,40 217,00 16,70 257,00 16,80 265,00 20,40 264,00 15,20 314,00 15,20 347,00 17,00 379,00 11,90 348,00 3,20 348,00 3,20 348,00 -20 348,00 -20	1 A 7 0 0 1 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A	102.00 10.40 203.00 10.20 15.00 342.00 17.10 371.00 15.10 387.00 -10.70 399.00 9.50 447.00 6.40 500.00 3.70 531.0030
			PROFI				
0'TE 71100B BRVY 89 TIME 1200	DATE 71:201 SHVY 90 TIME 1200	DATE 720103 SRVY 91 TIME 1200	DATE 720131 SRVY 92 TIME 1200	Date 729205 SRVY 93 TIME 1200	041E 720228 94 YVRE 1200	DATE 720301 SPVV 95 TIME 1200	DATE 720328 SHVY 96 TIME 1200
156.00 15.60 20110 2035 20110 2035 20110 2035 2035 2035 2035 2035 2035 2035 203	181:00 18:60 218:00 18:60 259:00 20:50 283:00 16:30 313:00 16:30 368:00 17:00 361:00 12:30 413:00 9:70 413:00 9:70	180.00 18.30 221.00 18.00 221.00 18.00 272.00 17.50 273.00 18.00 310.00 18.00 310.00 18.00 310.00 18.00 310.00 18.00 310.00 19.00 310.0	245.00 19,50 287.00 16.00 314.00 15.00 345.00 16.80 374.00 14.70 376.00 11.20 933.00 8.20 414.00 8.20 465.00 22.60	263,00 21,50 278,00 17,10 300,00 15,40 345,00 16,80 368,00 15,90 371,00 15,90 382,00 10,30 425,00 10,30 425,00 1,40	187.00 18.60 215.00 18.30 245.00 19.30 261.00 21.40 283.00 16.10 307.00 14.80 345.00 18.50 357.00 16.50 357.00 16.80 366.00 9.80 417.00 7.70 486.00 2.90 506.00	184.00 18.30 219.00 18.50 245.00 19.30 264.00 21.20 274.00 15.20 317.00 15.20 345.00 16.50 356.00 15.30 398.00 8.90 322.00 7.40 487.00 1.90 501.00 .80	101.00 19.30 211.00 18.50 245.00 18.50 261.00 21.00 261.00 10.10 313.00 14.90 345.00 10.50 355.00 10.90 364.00 11.80 401.00 0.00 401.00 0.

PROFILE .

SRVY	1200	DATE SRVY TIME	720809 98 1200	* D W	1500	SHVY TIME	721205 100 1200	DATE SOVY TIME	730103 101 1200	DATE SRVY TI=E	730206 102 1200	DATE 84 V V T1 M E	730213 103 1200	DATE SHVY TIME	730316 104 1200
195.000 286.00 286.00 345.00 345.00 345.00 401.00 453.00 493.00 541.00 573.00	21.80 16.10 16.60 17.00 9.80 8.90 5.60 1.10	244.00 251.00 275.00 305.00 345.00 357.00 357.00 404.00 404.00 405.00	19.50 21.60 17.90 14.90 16.60 17.00 12.50 0.90 5.40 1.50 0.70	145.00 172.00 202.00 242.00 272.00 302.00 342.00 343.00 472.00 472.00 572.00	10.70 17.20 18.60 19.60 21.50 17.60 14.80 17.00 11.90 8.60 7.20 3.60	100.00 201.00 201.00 270.00 270.00 284.00 311.00 353.00 353.00 401.00 401.00 478.00	18.50 10.50 19.80 21.50 16.40 16.10 14.70 16.50 17.00 14.70 12.60 4.70 4.70	200.00 212.00 240.00 260.00 270.00 261.00 300.00 340.00 347.00 462.00 461.00 551.00	1 A . 60 1 0 . 30 2 1 . 20 1 1 8 . 00 1 6 . 00 1 6 . 00 1 6 . 00 1 6 . 00 1 7 . 70 0 8 . 10 3 . 20 0 . 10	169.00 185.00 235.00 263.00 267.00 367.00 352.00 383.00 445.00 528.00 528.00	16.50 19.00 14.30 20.90 17.90 14.90 16.90 7.40 2.50 .70 20	172.00 192.00 279.00 270.00 312.00 312.00 354.00 365.00 464.00 518.00	16.50 19.10 19.50 21.30 17.80 14.90 16.80 13.40 11.00 3.60 2.40	178.00 210.00 210.00 270.00 270.00 315.00 310.00 340.00 340.00 340.00 443.00 443.00 548.00 548.00	10.90 10.40 21.50 10.50 15.00 15.00 15.20 11.50 8.70 8.80 6.20 1.5080
							PROF1								
DATE 55 VY TIME 175 000 175 000 286 000 308 000 365 000 365 000 365 000 415 00	1200 17-20 19-00 19-00 19-40 21-30 16-80 16-80 16-80 16-80 16-80 18-40 9-40 9-40	DATE SHVY TIME 170-00 214-00 214-00 307-00 307-00 307-00 359-00 359-00 409-00 529-00 529-00 551-00 603-00	730005 106 1200 18.00 18.00 18.00 19.70 19.30 10.30 10.30 10.30 10.30 10.30 10.30 10.30 10.30 10	3PVV TIME	730612 107 1200 	TIME	730911 108 1200 	SPVY TIME 180.00 210.00 259.00 373.00 363.00 363.00 368.00 468.00 504.00 573.00	731219 109 1200 14,10 14,10 17,10 15,10 15,10 15,10 15,10 15,10 15,10 15,10 15,10 17						
5 P V V	621011	SRVY	5 1200	SPVY	621208	TIME	1200	DATE SOVY TIME	630123	SRVV	630207 B 1200	SRVV	630221	SHVY	630312
143.00 160.00 273.00 343.00 343.00 436.00	11.40 11.50 10.70 1.40 1.00	55.00 94.00 127.00 143.00 167.00 248.00 310.00 340.00 359.00	13-00 12-60 10-60 11-70 11-80 7-20	26.00 60.00 87.00 119.00 178.00 217.00 241.00 267.00 294.00	7.40 9.00 11.00 12.10 11.50 11.40 7.70 4.90 3.70	0.00 1%.00 22.00 47.00 138.00 101.00 214.00 246.00 267.00 291.00	5.30 5.30 6.50 10.40 11.20 11.20 7.50 7.50 4.90	0.00 16.00 26.00 72.00 146.00 213.00 259.00 394.00	5.30 5.30 7.80 10.40 12.10 11.20 6.90 e.10	147.00 172.00 205.00 220.00 254.00 301.00 419.00	12.40 11.20 11.50 10.80 7.30 4.70	140.00 144.00 154.00 200.00 241.00 337.00	11.00 12.20 11.20 11.50 8.70 4.60 1.80	114.00 139.00 141.00 159.00 208.00 281.00 313.00 342.00 392.00	11:40 11:90 12:70 11:00 11:30 4:90 3:90 1:40 0:00
							PROFI	LE 10							
8 R V	1500	SRVY	1200	041E 5847 114E	1200	3447 7146	630509 12 1200	SRVY	630617 13 1200	SRVY TIME	630710 14 1200	5R 4 4	630813 15 1200	9R44	630925 16 1200
178.0 209.0 254.0 332.0 356.0	11.50	103.00 144.00 216.00 251.00 275.00 306.00 342.00	11.90 11.70 7.80 6.20 6.50 2.40	143.01 214.00 240.00 272.00 302.00 394.00	11.00 8.50 6.60 7.20	142.00 183.00 210.00 239.00 260.00 305.00 336.00 349.00	10.90 11.30 8.70 7.60 8.20 3.40	112.00 145.00 154.00 165.00 207.00 248.00 248.00 290.00 315.00 424.00 461.00 496.00	11.60 11.00 11.30 9.90 8.40 8.10 6.80 1.70	151-00 176-00 207-00 244-00 323-00 323-00 439-00	11.50 11.00 11.30 8.30 7.60 6.10 8.00 .60	141:00 204:00 253:00 289:00 321:00 397:00 424:00 447:00	11.40 8.20 7.90 6.50 7.90 2.80	150.00 183.00 209.00 239.00 270.00 293.00 350.00 372.00	11.90 11.20 11.30 8.30 7.90 5.00 2.30

TIME	631030 17 1200	SRVY TIME	631101 18 1200	TIME	631115 19 1200	TIME	640108 20 1200	DATE SOVY TIME	640121 21 1200	SRVY TIME	640312 22 1200	SRVY	640511 23 1200	SHVY TIME	640713 24 1200
146.00 163.00 189.00 208.00 257.00 318.00 375.00 478.00	11.20	145.00 165.00 207.00 258.00 317.00 376.00 477.00	12.80 11.00 11.10 6.00 8.30 6.40 -80	262.00 262.00 331.00	12.90 11.40 10.00 7.50 5.50 6.10 3.00 2.70	103.00 133.00 166.00 343.00 367.00	10.80 15.50 11.70 3.60	134.00 164.00 195.00 239.00 274.00 310.00	14.50 12.10 10.50 7.20 7.50 2.60	102.00 138.00 165.00 240.00 289.00 325.00	11.30 15.10 11.50 8.00 8.00 5.60	139.00 163.00 234.00 267.00 299.00 330.00 362.00 379.00	8.50 9.00 9.10 5.60	164.00 227.00 297.00 325.00 367.00 390.00	11:60 8:80 9:70 8:90 3:20 1:20
							PROFI	LE 10							
59V4	640910 25 1200	TIME	641105 24 1200	SPVY	650218 27 1200	5kvy T1™E	050412 28 1200	Spyy	450527 29 1200	SRVY TIME	650816 30 1200	5 PVY	660127 31 1200	SRVY TIME	660415 32 1200
163.00 203.00 228.0 318.00 378.00	9.80	138.00 155.00 198.00 248.00 323.00 368.00 390.00	15.70 13.10 11.50 11.10 6.20 7.90 3.10 1.80	138.00 149.00 204.00 270.00 284.00 319.00 459.00	14,90 12.80 11.00 9.90 7.70 8.10 1.20	142.00 173.00 226.00 323.00 359.00	14.80 11.60 10.40 7.80 2.40	142.00 189.00 259.00 314.00 378.00 418.00 453.00	14.00 10.90 9.70 7.10 6.20 1.50	145.00 359.00 369.00 460.00	14.20 5.70 1.80 .80	180.00	14.10 12.90 7.40 5.40 4.70 3.50	177.00 242.00 289.00 308.00	12.60 7.60 8.00 4.10
							PROFI	LE 10							
DATE BRVY TIME	660830 34 1200	SRVY TIME	670113 38 1200	TIME	670215 36 1200	SHVY	670501 37 1200	3844 1146	670726 38 1200	SRVY TIME	670921 39 1200	5RVV TIME	671107 40 1200	3+V4	671206 41 1200
64.00 127.0 185.0 240.0 284.0 316.0 326.0 336.0 386.0	12.80 12.30 8.10 8.80 9.80	179.00 203.00 254.00 319.00 361.00 422.00	11.50	189.00 236.00 299.00	14.60 12.30 9.40 6.30 7.20 3.80	188.00 204.00 314.00 342.00	13,10 11,10 10,20 6,30 2,50	179.00 196.00 214.00 260.00 272.00 323.00 348.00 366.00 362.00	14,80 12,00 11,30 10,70 8,60 8,10 7,10 5,00 3,00	179.00 190.00 214.00 253.00 350.00 400.00 439.00	15.10 13.10 11.30 11.00 3.30 5.00 5.70 4.10	182.00 204.00 253.00 304.00 370.00 409.00 442.00	14.40 11.70 10.60 7.70 4.90 2.90 2.20	181.00 192.00 237.00 351.00 417.00 488.00 505.00	14.90 12.90 11.00 4.10 1.00 40
							PROFI	LE 10							
BRYY TIME	680105 42 1200	SHVY	680111 43 1200	SPV* TIME	1200	TIME	640124 44 1200	SOVY	660131 46 1200	TIME	680207 47 1200	SRVY TIME	680214 48 1200	SHVY TI=E	690220 49 1200
118.00 165.00 151.00 201.00 245.00 289.00 321.00 366.00	15.40	180.00 194.00 245.00 289.00 318.00 338.00	14.90 12.80 10.90 6.30 7.00 4.50 1.10	193.00 231.00 278.00	15.30 14.90 12.80 11.10 8.00 6.20 4.00 3.30	171.00 194.00 231.00 313.00 345.00 371.00 380.00 425.00 446.00	15.50 12.80 11.20 4.50 4.30 1.70 2.00 1.60	181.00 196.00 232.00 281.00 320.00 357.00 396.00 407.00	14.90 12.80 11.10 7.00 6.00 4.00 1.70 1.20	180.00 195.00 231.00 265.00 332.00 366.00 381.00	14.80 12.80 11.00 8.30 6.50 1.80	181.00 204.00 254.00 304.00 346.00 361.00 373.00	14.80 12.40 9.30 6.30 6.00 4.00 2.80	166.00 182.00 196.00 214.00 256.00 298.00 330.00 367.00	15.60 14.80 12.80 12.80 11.90 9.70 6.40 6.60
							PROFI	LE 10							
5R v Y	680228 50 1200	DATE SRVY TIME	080306 51 1200	SRVY TIME	680314 52 1200	TIME	680322 53 1200	SR**	680327 54 1200	SEVY	681119 55 1200	SRVY TIME	690117 56 1200	DATE SRVV TIME	57 1200
166.00 182.00 196.00 271.00 303.00 330.00 335.00	14.66 12.80 8.30 7.90 5.80 3.70	106.00 182.00 191.00 222.00 260.00 302.00 332.00 352.00 373.00	13.40 11.30 7.70 5.50 6.40	159.00 142.00 100.00 254.00 302.00 302.00	14.30 14.80 13.10 9.20 5.20 1.90	169.00 182.00 195.00 247.00 303.00 351.00 383.00	13.20 9.50 5.30 2.30	172.0n 183.00 195.00 249.00 317.00 347.00 367.00 429.00	15.10 14.60 13.10 9.10 4.40 5.10 .90	129.00 154.00 166.00 193.00 271.00 303.00 324.00 358.00 440.00 456.00 474.00 507.00	15.30 15.20 11.90 7.50 7.90 5.20 2.00 1.10 .20	134.00 175.00 185.00 185.00 223.00 23.00 335.00 379.00 395.00	11.90 15.70 15.90 15.50 11.00 7.90 7.50 3.40 1.00	221.00 273.00 321.00 351.00	15.70 15-10 11-20 9.70 7.70 4.40 -3.00

							••••								
3967 71°E	1200	5967 1146	•90213 50 1800	504V	1500	3 ** V Y	455069 1500 10051	2544 2544	690310 62 1200	SPVV TIME	690314	3844 11=E	1200	3844 714E	690618 65 1200
193-00 197-00 223-00 273-00 310-00 340-00 406-00 511-00	15.20 11.10 9.60 8.50 5.50 5.60	163.00 196.00 223.00 275.00 331.00 363.00 424.00	15.30 10.90 9.70 8.20 1.20	133.00 183.00 196.00 226.00 233.00 283.00 378.00	11.50 15.60 15.40 11.10 10.90 6.00 1.40	183+00 197+00 225+00 238+00 279+00 328+00 352+00	15.40 11.10 10.50 8.90 2.90	275.00 247.00 286.00 336.00 396.00 448.00	11.20 9.10 5.90 3.10 1.60	183.00 198.00 233.00 267.00 323.00 371.00 435.00 505.00	10+10 7+00 4+20 3+30 +30	121.00 158.00 174.00 193.00 198.00 223.00 252.00 298.00 363.00	13.50 15.50 15.60 15.20 10.70 8.80 4.60	183.00 222.00 249.00 289.00 324.00 373.00	10.30 12.40 6.90 7.90 8.10 2.30
							PROF	LE 10							
3RVY TIME	690918 66 1200	SRVY TIME	691125 67 1200	3PV*	691220 68 1200	5HVY TIME	700115	SRVY Tjme	700122	SRVY TIME	700129 71 1200	SRVY TIME	700211 72 1200	SHVY	700218 73 1200
191.00 212.00 234.00 261.00 307.00 402.00 403.00 404.00	13.20 10.60 9.10 9.00 7.60 4.60 2.40	174.00 195.00 202.00 275.00 294.00 324.00 324.00 130.00 440.00	15.80 14.40 10.20 10.10 8.30 8.30 8.80 1.80	280.00 328.00 347.00 400.00 464.00	11.20 7.00 4.00	241.00 274.00 316.00 348.00 389.00	14.30 10.90 9.30 8.10 6.30 3.70	184.00 200.00 208.00 227.00 274.00 329.00 428.00 438.00	15.70 13.70 12.30 9.40 7.60 6.20 1.20	179.00 198:00 210:00 226:00 258:00 336:00 374:00 409:00	16.00 13.20 11.90 9.60 8.60 5.50 3.70	211.00 224.00 261.00 295.00 302.00 347.00	13.20 12.20 9.20 6.70 7.40 8.30 5.10	183:00 213:00 223:00 251:00 291:00 323:00 371:00 443:00	16.50 13.10 13.10 10.80 8.20 7.10 2.90 .80
							PROFI	LE 10							
SHVY	700225 74 1200	SRVY TIME	700305 75 1200	SRVY	700312 76 1200	TIME	700318 77 1200	\$ # V Y	700507 78 1200	SRVY TIME	700812	TIME	700930 80 1200	SEVY	701201 81 1200
209.00 233.00 273.00 317.00 362.00 408.00	16.40 13.60 12.40 9.20 7.30 2.20 10	156.00 206.00 255.00 299.00 339.00 391.00 471.00	10.60 12.50 8.50 7.20 6.90 .60 -2.70	179.00 197.00 225.00 262.00 294.00 354.00 354.00 413.00 413.00	15:30 12:80 10:00 8:90 8:50 6:30 4:50	230.00	13.90 12.70 10.60 9.10 8.70 6.00 2.30	225.00	13.60 12.70 12.90 11.40 7.70 7.30 5.50 5.10 2.80	195.00 211.00 238.00 273.00 336.00 348.00 423.00 444.00	13.50 11.60 8.10 9.10 6.90 3.90 2.20	188.00 240.00 240.00 352.00 340.00 342.00 347.00 445.00	16.30 14.00 11.50 8.70 8.50 8.30 6.80 4.20 1.10	185.00 197.00 209.00 229.00 259.00 302.00 339.00 349.00 539.00	10.30 10.10 14.10 13.10 10.20 4.90 2.10 00 00
							PROFI	LE 10							
SRVY TIME	701218 82 1200	SRVY TIME	710106 83 1200	39VY	710212 84 1200	SHVY	710309 85 1200	SRVY	710408 #6 1200	SRVY TIME	710604 87 1200	5RVV TIME	710811 88 1200	SRVY TIME	711008 89 1200
190.00 202.00 208.00 210.00 252.00 295.00 334.00 304.00	16.10 14.40 14.40 11.00 6.40 3.70 2.40 2.00 .80	186.00 203.00 208.00 213.00 239.00 274.00 304.00 329.00	16.00 14.60 14.20 30.60 7.50 4.60 3.20 1.20	196.00 207.00 208.00 252.00 252.00 255.00 301.00 310.00	11.90	197.00 205.00 209.00 217.00 248.00 271.00 321.00 365.00 361.00	16.50 15.70 11.40 14.20 8.80 6.90 5.30 	179.00 199.00 203.00 204.00 247.00 313.00 402.00 437.00 467.00 489.00	14.70 14.30 11.40 6.90 2.70 .20 .20	158.00 168.00 202.00 230.00 230.00 277.00 306.00 329.00 342.00	14.80 12.60 8.80 6.40 3.80	190.00 273.00 254.00 373.00 345.00 392.00 412.00 428.00	12.50 8.60 5.00 4.40 1.20	191.00 203.00 214.00 253.00 300.00 331.00 332.00 354.00 406.00 456.00	

SRVY TIME	711201 90 1200	TIME	720131 92 1200	5RVY TIME	720205 93 1200	SRVY TIME	720222 94 1200	SRVV TIME	720301 95 1200	DATE SRVY TIME	72032A 96 1200	3844 TI*f	720531 97 1200	SAVY TIME	720809 98 1200
198 00 210 00 228 00 281 00 335 00 495 00 520 00	15.50 11.80 10.40 6.70 4.60 1.90 -2.00	187.00 209.00 247.00 296.00 309.00 357.00 427.00 469.00	12.30 9.10 5.20 5.30 2.60 2.80	150.00 180.00 200.00 209.00 239.00 277.00 374.00 424.00 449.00	7.90 5.10 2.90 2.00	151.00 185.00 190.00 219.00 249.00 311.00 341.00 363.00	11.40 7.50 5.50 4.40 3.40 2.30 1.20	210.00 251.00 290.00 333.00 372.00 388.00	3.70 2.20 1.00	153:00 161:00 191:00 237:00 280:00 303:00 361:00 391:00 401:00 421:00	7.20 4.50 3.50 4.40 4.90 1.60	184-00 190-00 235-00 292-00 362-00 455-00	13.70 11.60 8.60 7.20 6.40 1.80	139.00 151.00 169.00 165.00 191.00 264.00 306.00 359.00 391.00 421.00 446.00	14.90 11.70 9.30 7.50 7.00 6.70 3.70
DATE SRVY TIPE	721003 99 1200	SRVY TIME	721205 100 1200	SANA	730103 101 1200	DATE SHVY TIME	730206 102 1200	3 P V V	730213 103 1200	SRVY TIME	730316 104 1200	SRVY	730324 105 1200	SRVY TI≫£	730403 106 1200
136 = 00 156 = 00 181 = 00 286 = 00 284 = 00 363 = 00 413 = 00 475 = 00	16.40	183.00 190.00 200.00 240.00 280.00 334.00 374.00 413.00 429.00	13.00 11.20 8.60 5.50 3.20 1.60 .20	1 R Z = 00 1 R B = 00 1 P P = 00 2 S 3 = 00 3 0 3 = 00 3 0 R = 00 4 4 S = 00 4 9 3 = 00	13.70 12.10 7.80 4.10 2.20 .80	179.00 189.00 217.00 264.00 302.00 356.00 464.00	13.00 9.70 6.30 5.60 2.10	184.00 197.00 197.00 204.00 205.00 251.00 299.00	13.50 12.60 11.80 10.20	182.00 191.00 202.00 203.00 234.00 283.00 308.00 341.00 426.00 426.00 458.00 458.00 503.00 503.00	10.60 7.40 4.80 4.50 1.70 0.00 70 50	180.00 184.00 192.00 255.00 255.00 264.00 277.00 289.00 313.00	13.60 12.30 8.30 6.20 5.70 5.10	17A.00 189.00 193.00 204.00 248.00 295.00 373.00 377.00	12.90 12.80 10.50 7.30 4.90 2.50
							PROFI	LE 10							
\$RVY TIME 178.00	16.30	TIME	730911 1UA 1200 10.40 8.70 8.20 7.20 8.00 6.20 1.70 -2.00	3PVV TIME 151:00 185:00	731219 109 1200 13.40 15.50 13.40 12.10 8.50 5.70 3.30 1.70 .30 50										
							PROFI	LE 11							
SRVY TIME	1200	TIME	621029 B 1200	SRVY	1200	8HVY 71HE	A 30107	DATE SEVY TIME	630123	BRVY TIME	630207 M 1200	5RVY TIME	630221	SAVY TIME	630312
120.00 153.00 164.00 174.00 196.00 202.00 263.00 307.00 373.00 373.00 371.00 400.00 422.00 428.00	22.90 23.50 22.90 14.00	164.00 177.00 201.00 286.00 349.00 370.00 418.00 426.00	23.10 22.40 13.40 8.40 9.50 7.80 2.30	121.00 134.00 151.00	7.40 11.20 14.50 23.10 23.20 20.60 13.90 9.50 6.70 4.10	0.00 97.00 158.00 165.00 197.00 233.00 273.00 336.00 336.00	14.00 9.70 7.80 7.80 4.70	0.00 63.00 98.00 159.00 216.00 276.00 335.00 335.00 438.00	6.00 7.00 23.40	217:00 258:00 304:70 344:00 414:00 445:00 484:00	8.50 8.10 8.30 6.70	153.00 194.00 212.00 257.00 376.00 376.00 350.00 405.00 456.00 521.00	21.00 13.70 9.30 8.50 9.10 8.90 4.40	143.00 159.00 165.00 232.00 304.00 304.00 338.00 480.00	23.90 21.90 13.20 9.00 8.90 9.30 4.50 1.60

SHVY	630321 1200	DATE SRVY TIME	\$0000 10 1200	5PVY TTME	630424 11 1200	SHVY	630509 12 1200	SRVY		DATE SHVY TIME	630710 14 1200	DATE SRVV TIME	630813 15 1200	3+44 11*6	630925 16 1200
149.00 159.00 140.00 235.00 255.00 333.00 352.00 377.00 400.00	23.30 22.90 15.20 11.90 9.20 8.40 7.40 4.40 2.40	198.00 205.00 220.00 281.00 327.00 398.00 438.00 471.00 503.00	15.00 12.40 10.10 8.20 8.50 6.50 2.40 0.00	165.00 182.00 205.00 240.00 287.00 341.00 478.00 478.00 571.00 571.00	23.70 21.40 12.50 9.40 7.90 7.90 7.00 5.20 1.10 .20	174.00 206.00 243.00 254.00 353.00 401.00 439.00 475.00 485.00	22.40 12.50 8.80 7.80 8.00 7.60 6.00 2.90 10	101.00 181.00 202.00 220.00 350.00 394.00 434.00	21.00	180.00 207.00 240.00 280.00 350.00 379.00 448.00 504.00	20.60 12.60 9.70 8.10 6.30 7.60 7.70	168.00 192.00 212.00 243.00 269.00 351.00 400.00 455.00	21.40 18.50 12.50 9.50 8.10 8.20 7.80 0.00	176.00 213.00 240.00 252.00 322.00 344.00 356.00 420.00	21.50 12.60 9.30 6.40 6.00 6.30 6.30 7.10 5.40 2.50
							PROFI	LE 11							
8 R V Y	631030 17 1200	DATE SHVY TIME	631101 1A 1200	8PVY TIHE	631115 19 1200	SRVV	640108 20 1200	DATE Sqvy Time	640121 21 1200	DATE RRVY TIME	1200	E D v V	6#0511 23 1200	TIME	1200
171+00 210+00 259+00 310+00 354+00 396+00 451+00 501+00	22.90 6.20 6.10 6.50 6.50 6.70 2.10	170.00 216.00 260.00 315.00 354.00 399.00 451.00 502.00	22.90 10.90 8.10 8.50 8.50 8.40 0.00	204.00 216.00 269.00 319.00 411.00 454.00	11.80 8.50 6.90 5.50	165.00 180.00 209.00 261.00 310.00 369.00 420.00	23.50 22.90 13.30 8.90 6.30 1.70 1.10	172.00 217.00 255.00 340.00 357.00	22.40 11.80 8.00 3.70 2.10	147.00 179.00 216.00 253.00 328.00 370.00 430.00	21.70 23.20 11.80 8.60 8.20 2.60 .90	140.00 161.00 175.00 197.00 239.00 276.00 308.00 386.00 485.00	21.10 23.60 21.70 14.50 9.50 6.10 7.30 6.00 .80	181.00 215.00 253.00 313.00 357.00 379.00 409.00	21.40 11.90 8.30 8.90 7.00 4.60 2.90
							PROFI	LE 11							
SRVY TIME	25 1200	SRVY TIME	641105 26 1200	3 R V Y	850218 27 1200	114E	650412 2A 1200	5pvy †1me	65n527 29 1200	SRVY TIME	650816 30 1200	38 V V 11 ME	31 1200	BRVV TIME	32 1200
160.00 159.00 210.00 245.00 278.00 314.00 352.00	23.70 19.30 13.10 9.70 10.70 11.00 6.00	160.00 180.00 217.00 262.00 293.00 342.00 364.00 373.00	23.30 22.10 12.00 7.70 5.70 7.20 4.40	152.00 171.00 253.00 298.00 351.00 426.00	23.00 21:00 8:50 7:40 2:10 1:50	165.00 219.00 289.00 317.00 375.00	22.70 12.20 6.00 6.90 1.80	164.00 192.00 215.00 265.00 334.00 579.00 432.00 472.00	23.00 19.80 14.00 8.70 7.90 4.20	159.00 184.00 216.00 266.00 340.00 369.00 408.00	23.00 19.50 12.50 8.10 8.30 5.90 1.90	175.00 208.00 246.00 296.00	22.40 14.00 9.40 5.40	179.00 212.00 252.00 297.00 346.00	23 - 10 13 - 10 8 - 40 7 - 80 4 - 50
							PROFI	LE 11							
SRVY	660620 33 1200	DATE BRVY TIME	660A30 34 1200	DATE SRVY TIME		SRVY	670215 36 1200	SRVY	670501 37 1200	SRVY	670726 38 1200	SRVY	670921 39 1200	9 A V V	671107 49 1200
165.00 226.00 261.00 326.00 357.00	24.00 10.90 8.00 9.10 3.00	150.00 203.00 225.00 249.00 319.00 342.00 392.00	22.70 10.50 7.50 4.70 4.90 7.50 7.20 1.00	179,00 219,00 265,00 312,00 351,00	22.50 12.70 4.60 6.30 1.40	174.00 215.00 286.00 337.00	72.10 14.60 5.60 3.00	177.00 213.00 283.00 311.00	23.70 13.90 5.60 4.90	175.00 231.00 278.00 316.00 349.00	21.90 11.70 7.60 7.80 2.60	179.00 232.00 266.00 302.00 319.00	22.00 11.80 9.30 8.40 -5.10	178.00 227.00 261.00 263.00 302.00 319.00	21.070 11.80 9.80 8.60 3.80 3.20
							PROFI	LE 11							
DATE SRVY TIME	671206 41 1200	DATE SRVY TIME	680105 42 1800	041F 89VY 71MF	680111	DATE SHVV TIME	680118 #4 1200	SRVV TIME		DATE SRVY IME	680131 46 1200	SPV4 TIME	680207 47 1200	TIME	1200
177.00 257.00 307.00 354.00 405.00 459.00	27.40 10.00 6.10 5.70 1.40 .30	95.00 158.00 166.00 174.00 201.00 261.00 300.00 337.00 338.00	7.40 18.60 18.60 15.70 6.20 6.30 2.90 8.80	157.00 165.00 173.00 185.00 209.00 255.00 310.07 355.00	17.90 15.50 21.90 18.30 14.00 8.80 5.90 .50	157:00 174:00 190:00 221:00 239:00 276:00 301:00 311:00	17.70 21.80 17.20 12.40 10.40 6.80 6.40 4.80	175.00 190.00 214.00 236.00 251.00 275.00 301.00 350.00	21.90 17.80 13.40 10.70 4.50 6.30 6.40	158.00 167.00 176.00 176.00 217.00 240.00 260.00 278.00 300.00 336.00	17.50 18.50 22.10 17.30 12.90 10.30 7.90 7.90 4.10	168.00 177.00 202.00 228.00 241.00 272.00 290.00 309.00 350.00	19.40 21.90 15.60 11.50 8.60 8.40 6.70 6.90 1.20	170.00 179.00 204.00 242.00 286.00 304.00 320.00 335.00 345.00	19.00 21.90 15.30 10.40 0.00 0.00 0.00 0.00 0.00 0.00

3 6	TE 680220	DATE BHVY TIME	1200	DATF SRYY TIMF	1500	DATE SRYY TIME	1200	2046 2044 1146	1200	SRVY	1200	5844 11#E	681119 55 1200	SHVV	690117 56 1200
170 177 203 233 277 290 323 339	00 15.70 00 11.50 00 7.30 00 4.80	177-00 193-00 214-00 229-00 269-00 307-00	21.70 16.40 13.80 11.80 8.40 7.10 3.40	178.00 199.00 273.00 259.00 299.00 371.00	21.80 10.50 12.20 8.70 5.70	169,00 178,00 194,00 216,00 336,00	21.70 16.80 12.90 9.00	109.00 178.00 213.00 235.00 275.00 300.00	21.70 14.00 10.70 7.60 7.20	170.00 179.00 195.00 218.00 313.00 359.00	21.70 16.20 12.60 5.90 5.30	96.00 137.00 182.00 192.00 255.00 255.00 255.00 314.00 350.00 376.00	14.40 19.20 16.40 12.00 9.30 8.30 3.50 1.20	122:00 175:00 225:00 307:00 34%:00 387:00	9 • 7 0 18 • 3 0 10 • 9 0 7 = 20 2 • 7 0 • 6 0
							PROF	(LE 11							
3 F	TE 690129	##¥	69021% 59 1200	5 F V Y T I H F	1500	DATE SHVY TIME	61 61 12no	Spvv Time	690310	59 V Y	690314	3944 114F	1500	SRVY TIME	690618 65 1200
172. 184. 224. 275. 327. 317. 411.	00 16.50 00 11.10 00 8.90 00 7.60	215.00 253.00 292.00 319.00 349.00	11.3n 9.20 9.4n 9.2n \$.30	172-00 221-00 251-00 284-00 316-00	11.40 10.50 9.40 7.10	172.00 179.00 222.00 290.00 340.00 400.00	11.00	172.00 222.00 272.00 312.00 371.00 480.00	11.10 10.60 7.20 .60		10.40 10.3n 6.2n .70 -2.40 ~5.50 .40 .20	138.00 172.00 190.00 224.00 252.00 284.00 322.00	10.8n 16.30 14.90 10.80 10.30 10.60 5.30	76:00 130:00 170:00 203:00 252:00 284:00 339:00 381:00 455:00 569:00	6.60 10.90 10.30 13.00 10.30 9.70 6.70 6.90 2.70
							PROF1	LE 11							
5 9	TE 690918	TIME	691125 67 1200	SPVV	691220 68 1200	3HVY TI≃E	700115	1 I ME	700122	9AVY TIME	700129 71 1200	SAVY	700211 72 1200	SRVY	
170. 212. 265. 294. 344. 390. 435. 465. 512.	00 11-80 00 10-30 00 8-00 00 7-90 00 8-20 00 6-90 00 2-30 00 1-40	300+00 347+00 365+00 408+00 439+00 445+00	12.50 9.40 9.40 9.10 7.40 7.90 5.80	241.00 314.00 361.00 404.00 472.00	9.30 8.80 6.50 1.70	190.00 237.00 262.00 302.00 402.00 458.00 545.00	10.50 9.20 7.00 7.50 4.70 2.00	190.00 200.00 240.00 282.00 370.00 432.00 453.00 550.00	15.70 10.40 9.00 7.00 7.10 2.80 3.00 .80	173.00 190.00 219.00 266.00 300.00 362.00 423.00 487.00 534.00	15.10 14.30 11.40 9.80 8.00 7.30 3.40 2.70 2.10 .70	172.00 215.07 242.00 285.00 330.00 426.00 492.00 577.00	15.00 11.70 12.50 8.50 7.50 3.00 .90	176.00 209.00 237.00 274.00 337.00 395.00 477.00 914.00	14.60 11.60 10.60 9.10 5.80 2.60 0.00
		027100	~ 2,40												
							PROFIL								
8 R V	TE 700225	8HVY 11ME	700305 75 1200	3PVY TIME	700312 76 1200	5HVY T1™E	700318 77 1200	SRVV	700507 78 1200	SRVY TIME	700812 79 1200	SRVY TIME	700930 80 1200	DATE SHVY TIME	1200
175.0 219.0 255.0 300.0 351.0 408.0 486.0 520.0	11.30 9.40 7.40 5.00 2.30 00 0.00	170.00 213.00 252.00 298.00 367.00 452.00	14.90 11.40 9.70 7.60 4.90 2.50 -1.30		-11-30 9.60 7.30	174.00 222.00 263.00 305.00 305.00 413.00 445.00 445.00 485.00 522.00 553.00	11.00 9.50 7.30 7.00 5.60 2.00 1.20	174.00 230.00 268.00 530.00 530.00 410.00 458.00 485.00 510.00 530.00	13.80 10.80 9.20 6.90 5.50 6.20 4.70 3.20 .30	177.00 208.00 241.00 268.00 338.00 438.00 476.00 498.00 568.00 568.00	12.80 10.30 8.30 7.50 8.00 3.70 1.70 2.00	171.00 207.00 275.00 325.00 372.00 422.00 487.00 492.00 507.00 523.00	11.60 7.30 7.90 8.70 7.80 3.60 1.00	207.00 250.00 267.00 326.00 362.00 417.00 467.00 507.00	15:79 14:30 11:90 8:90 8:50 7:70 8:10 2:10 1:40 -:80 -2:00

SRVY TIME	701218 82 1200	SR V Y	1200	SPVY TIME	710212 84 1200	SHVY	710309 85 1200	SRVY	710408 86 1200	SRVY	710604 87 1200	5PVV TIME	710811 #8 1200		711008 89 1200
168 * 00 207 * 00 244 * 00 297 * 00 412 * 00 442 * 00 457 * 00 517 * 00 537 * 00	15.40 11.70 10.10 7.60 5.60 3.80 3.10 3.60 1.50	169:00 207:00 238:00 277:00 329:00 364:00 399:00 437:00 452:00	15.30 11.80 10.20 8.30 8.50 4.40 4.20 8.60	167.00 207.00 257.00 307.00 357.00 419.00 466.00 502.00 572.00 617.00	11 - 80 9 - 20 7 - 40 5 - 60 3 - 80 2 - 30 1 - 70 1 - 10 - 20	169.00 192.00 207.00 249.00 348.00 396.00 446.00 506.00 549.00	-1.00	170.00 192.00 207.00 260.00 515.00 428.00 482.00 551.00 579.00	12.10 11.40 9.20 7.30 4.50 3.10 1.50	164.00 207.00 257.00 257.00 297.00 377.00 390.00 427.00 457.00 467.00	11.00 9.00 7.60 6.70 8.10 7.00 7.70 2.20	169.00 192.07 206.00 269.00 372.00 423.00 433.07 463.00 460.00 499.00	14.00 12.60 11.30 9.00 6.10 6.40 6.40 5.20 3.00 1.20	169.00 192.00 200.00 259.00 297.00 400.00 427.00 460.00 460.00 460.00 528.00 582.00	
							PROF1	LE 11							
SRVY TIME	711201 90 1200	SHVY TIME	720103 91 1200	SRVY	720131 92 1200	SAVY	720205 93 1200	SPVY	12022	5HVY TIME	720301 95 1200	SRVV	720328 96 1200	9RVY TIME	720531 97 1200
164.00 192.00 256.00 307.00 307.00 427.00 487.00 552.00 617.00 662.00	15.20 12.90 9.00 7.70 9.10 5.70 2.90 70 20	162:00 192:00 240:00 305:00 373:00 453:00 555:00 584:00	15.60 12.60 9.70 7.80 5.60 1.60 .40	163.00 181.00 192.00 250.00 250.00 250.00 411.00 441.00 485.00 569.00 601.00	13.20 12.50 9.00 7.80 6.30 6.10 6.90	192.00 232.00 265.00 337.00 393.00 452.00 502.00 537.00	12.40 9.90 9.40 8.20 5.60 2.50 1.60	105.00 192.00 211.00 251.00 292.00 424.00 424.00 492.00 562.00 584.00	15.30 12.80 11.40 9.30 7.70 5.20 3.40 2.50 1.50	167.00 182.00 192.00 217.00 258.00 358.00 409.00 459.00 514.00 578.00 513.00	13.30 12.90 11.20 9.10 7.70 5.60 4.20 3.10	168.00 192.00 255.00 337.00 422.00 421.00 542.00 542.00 632.00		157.00 107.00 192.00 211.00 257.00 364.00 417.00 470.00 524.00 639.00 649.00 717.00	15-00 15-70 12-90 11-50 7-10 7-10 8-10 6-00 5-80 2-40 1-20 20
							PROFI	LE 11							
DATE SRVY TIME	720809 98 1200	SHVY	721205 100 1200	TIME	730103 101 1200	SHVY	730206 102 1200	SRVY	730213 103 1200	SAVY TIME	730316 104 1200	8RVV TIME	730324 105 1200	SRVY	730403 106 1200
139.00	12.20	171.00 181.00 192.00 217.00 237.00 395.00 341.00 368.00 392.00 497.00 497.00 483.00	16,00 13,70 12,60 11,10 12,10 9,70 10,10 9,70 5,50 1,50 1,50	170.00 180.00 192.00 229.00 240.00 302.00 372.00 433.00 497.00 572.00	12.80	171.00 186.00 192.00 226.00 237.00 344.00 403.00 456.00 512.00	15.80 12.60 11.20 12.50 12.50 8.90 6.10 2.90 .70	174.00 192.00 203.00 239.00 252.00 324.00 324.00 369.00	16.00 12.80 11.00 12.60 10.80 10.00 4.80 1.80	174.00 183.00 230.00 240.00 247.00 332.00 372.00 407.00 407.00 502.00 502.00	13.60 11.00 12.50 11.00 7.50 5.00 3.29 2.40 2.60 .50	174.00 183.00 192.00 204.00 242.00 242.00 242.00 274.00 302.00 312.00	13.40	192.00 232.00 240.00	10.30 12.40 12.60 11.10 12.70 11.00 5.80 3.30 2.50 1.20

PROFILE 11

DATE	730612	DATE	730911	DATE	731219
8 R v v	107	SRVY	108	\$8 V Y	109
TIME	1200	TIME	1200	TIME	1500
171.00	15.90	171.00	15.60	173-00	15.80
192.00	12.70	185.00	13.00	193.00	12.70
218.00	11-10	193.00	12.60	220-00	11:40
237.00	12.70	231.00	11.10	239.00	12.70
260.00	8.40	234.00	12.40	275.00	9.00
317.00	6.30	265.00	8.40	313.00	5.70
367.00	5.00	294.00	6.90	353.00	3 . 50
417.00	3.40	341.00	8.00	393.00	1.70
454.00	.80	393.00	9.00	433.00	.30
487.00	10	423.00	5.00	473.00	-1.60
501.00	50	463.00	*.80		
		0.00 4 - 0.0	-2 44		

DATE	720819	DATE	721003	DATE	721205	DATE	730103	DATE	730206	DATE	730213		730316		730324
3 P V Y	9.8	SRVY	9.0	SRVY	100	84VY	101	3 Q V Y	102	SRVY	103	3944	104	SRVY	105
TIME		TIME		TIME		TIME		TIME	1200	TIME	1200	TIME	1200	TIME	1200
							12110	7-0-	2700						
****			*****				*****								
212.00	16.50	174.00	13.40	212.00	16.60	212.00	16.60	285.00	13.40	212.00	16.50	231.00	15.00	210.00	16.60
238.00		184.00	10.40	275.00		240.00		325.00	12.90	256.00	16.80	253.00	17.40	236.00	15.60
253.00	17.40	212.00	10.60	355.00		257.00		364.00	12.30	297.00	12.70	276.00		250.00	10.40
						282.00	13.50		13.10	341.00	12.40	293.00	12.90	272.00	14.90
280.00		530.00	15.60	359.00				430.00							
320.00	12.40	254.00	17.30	401.00		355.00	12.80	469.00	10.60	385.00	12.30	339.00	12.30	310.00	13.30
357.00	12.30	297:00	12.60	429.00	12.90	357.00	12.40	513.00	7.80	440.00	11.90	405.00	12.80	347.00	12.30
410-00	11.70	33A . CO	12.30	442.00	10.90	387.00	12.60	559.00	7.30	483.00	9.30	468.00	10.30	395.00	12.80
460.00	9.00	384 - 00	12.40	480.00	11.20	429.00	12.70	612.00	2.40	534.00	6.70	504.00	8.50	429.00	12.90
510.00	9.80	429.00		518.00		472.00	10.70	643.00	40	595.00	4.30	550.00		460.00	10.10
						517.00		043.00	-,-0	647.00	2.90	945.00	7.90	498.00	7.40
552.00	9.70	459.00		528.00	6.40		6.60								
950-00	.50	507.00		562.00	4.30	567.00	4.50			710.00	2-10	617.00	6.80	548.00	4 - 60
655.00	-1.30	557.00	9.80	608.00	1.50	617.00	2.80			764.00	-1.10	644.00	6.00	.00.00	2.20
		581.00	7.30	656.00	±50	667.00	1.40					672.00	3.40		
		620.00		668.00		687.00	.20					705.00	. 60		
		647.00		800800	- 0 4 5	710.00						742.00			
						110000	40					1-5.00	-1000		
		671.00													
		697.00	-2.90												

PROFILE 12

DATE	730405	DATE	730612	DATE	730911	DATE	731219
SPVY	106	SHVY	107	SPVV	108	SPVY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200

212.00	16.90	297.00	12.50	212.00	10.00	287.00	13.10
240.00	15.60	362.00	12.10	253.00	17.40	349.00	12.30
244.00	17.40	379.00	12.80	281.00	13.00	382.00	13.00
279.00	14.10	419.00	12.90	294-00	12.60	427.00	12.60
319.00	12.40	430.00	10.80	349.00	12.10	467.00	10.50
354.00	12.30	506.00	7.80	391.00	13.40	502.00	9.50
397.00	13.20	573+00	9.60	429.00	12.90	542.00	6.80
444.00	11.60	584.00	8.00	441.00	11-10	577.00	5.00
479.00	8.90	593.00	7.90	497.00	6.10	627.00	2.30
529.00	7.20	597.00	6.00	539.00	9.40	657.00	.90
550.00	6.00	615.00	2.80	564.00	10.00	699.00	90
631.00	4.30	639.00	70	571.00	9.00		
692.00	5.00	655.00	-1.40	591.00	9.00		
729.00	60			596.00	9.00		
744.00	-1.80			600.00	5.90		
				634.00	.90		
				663.00	-2.00		

	98 3kv/ 20n Time		5RVY TIME	721205 100 1200	8+44 TI~E	730103 101 1200	SAVV	730206 102 1200	DATE SHVY TIME	730213 103 1200	1) 4 T E 5 9 V Y T T P F	730316 134 1200	SHVY	730324 105 1200
229.00 2 248.00 2 255.00 2 277.00 1 305.00 1 345.00 1 427.00 1 427.00 1 429.00 579.00 652.00	0.80 230.00 3.50 258.00 1.70 278.00 1.70 278.00 2.80 399.00 9.50 399.00 0.20 522.00 9.70 586.00 7.80 599.00 0.21 688.00 0.20 689.00 0.20 689.00 0.20 689.00	23.70 21.20 11.90 10.50 11.90 10.50 10.50 10.50 10.60 5.70 7.70 7.70 7.70 7.70 7.70		12.20 10.10 12.00 11.30 11.80 10.70 6.20 6.10 3.30	296.00 333.00 386.00 418.00 454.00 496.00 543.00 633.00 650.00	12.50	278,00 321,09 360,00 402,00 409,00 505,00 559,00 608,00 643,00 689,00	11.00 10.80 13.30 11.10 10.60 7.90 7.80 3.30	282.00 309.00 344.00 402.00 448.00 514.00 552.00 611.00 672.00 743.00 814.00	12.50 12.40 10.40 13.20 10.00 6.10 3.20 1.50 -00	276.00 292.00 364.00 327.00 357.00 462.00 470.00 510.00 533.00 543.00 60.00 60.00 693.00	13.40 11.90 17.20 13.30 11.90 11.90 11.90 10.40 6.60 7.90 1.80 1.80	281.00 323.00 384.00 402.00 436.00 472.00 511.00 567.00 658.00	12.60 11.10 12.70 13.30 11.10 10.20 6.40 3.80 2.40

DATE	730403	DATE	730617	DATE	730911	DATE	731219
SRVY	106	SRVY	107	SPVY	108	SHVY	109
TIME	1200	TIME	1200	TIME	1500	3MIT	1200

285.00	11.70	283.00	12.30	280.00	12.90	279.00	12.70
318.00	10.80	308.00	12.50	294.00	11.80	304-00	12.20
355.00	10.30	344.00	10.60	307.00	12.70	346.00	10.30
402.00	13.20	394.00	13.20	327.00	11.20	387.00	12.90
429.00	11.60	431.70	11.70	309.00	9.90	439.00	12.20
485.00	10.90	477.00	10.70	360.00	11.20	474.00	11.70
524.00	9.70	52A.00	9.30	388.00	11.40	509.00	10.60
574.00	5.20	552.00	0.30	402-00	13.40	536.00	8.70
627.00	3.10	384.00	6.90	434.00	11.30	569.00	6.60
665.00	1.70	636.00	8.00	482.00	10.70	606.00	5.50
719.00	.60	656.00	6.40	515.00	10.50	654.00	2.80
740.00	-1.00	686.00	3.70	525.00	6.70	694.00	40
		706.00	.40	539.00	7.20	712.00	90
		727.00	90	565.00	8,70		• • • •
				605.00	9.10		
				611.00	8.60		
				614.00	6.50		
				649.00	2.50		
				640.00	-1.10		

PROFILE 14

720809	SRVY	99	SRVY	100	SHVY	101	SRVV	102	SRVY	103	5944	104	SRVY	730324
		1200									11 dF		4 I E	1200
13.10 21.20 23.00 23.00 14.20 10.40 10.40 10.40 10.30 9.30 10.30 5.40	218.00 229.00 244.00 251.00 203.00 306.00 336.00 418.00 494.00 550.00 550.00	23.50 20.40 11.60 12.10 10.40 10.40 10.50 10.50 6.90 6.90	248.00 292.00 315.00 318.00 318.00 416.00 456.00 570.00 570.00 571.00 621.00 683.00	13.70 12.00 11.00 7.80 9.60 9.60 11.30 11.10 11.20 7.20 3.20 40	266.00 290.00 305.00 333.00 373.00 418.00 508.00 508.00 537.00 637.00 648.00	14.20 12.20 8.60 10.60 11.30 11.30 11.20 7.50 3.70 1.70	287.00 308.00 332.00 365.00	11.80 11.60 10.70 10.70 11.50 10.40 8.50 8.50 2.50	279.00 306.00 334.00 376.00 418.00 501.00 552.00 663.00 708.00	12.30 12.30 6.70 10.90 11.50 8.60 4.50 1.60	270.00 207.00 303.00 350.00 350.00 417.00 451.00 451.00 603.00 607.00	13.60 11.30 8.70 10.70 11.50 11.50 11.50 10.60 7.40 A.20 5.80 -1.00	279.00 310.00 318.00 335.00 355.00 418.00 447.00 447.00 558.00 600.00	12.70 12.20 10.40 6.50 10.40 11.40 11.40 10.40 8.40 5.30 3.10
	605.00 646.00 671.00	2.90												
	98 1200 13.10 21.20 23.00 23.00 12.00 8.30 10.40 10.80 10.40 10.30 9.30 10.30 5.40 7.70	98 58VY 1200 711- 13.10 219.00 21.20 221.00 221.00 221.00 12.00 222.00 12.00 222.00 10.00 335.00 10.00 335.00 10.00 305.00 10.00 305.00 9.30 400.00 9.30 400.00 9.30 400.00 9.30 400.00 9.30 400.00 9.30 400.00 9.30 400.00 9.30 500.00 605.00 605.00 605.00	98 98VY 90 12200 7114 1240 27 124 1240 27 124 1240 27	98	98 38VV 90 50VV 100 1200 114 1200 714 1200 13.10 218.00 21.20 2AA.00 13.70 21.20 229.00 33.20 224.00 12.00 21.20 229.00 32.20 24.00 12.00 21.20 229.00 11.00 370.00 11.00 8.30 304.00 12.00 370.00 11.00 10.00 335.00 8.00 404.00 11.10 10.80 384.00 10.90 510.00 11.20 10.80 384.00 10.90 570.00 11.20 10.80 384.00 10.90 570.00 11.20 10.80 385.00 10.50 570.00 11.20 10.80 385.00 10.50 570.00 11.20 10.80 385.00 10.50 570.00 11.20 10.80 385.00 10.50 570.00 11.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 1.20 10.80 385.00 10.50 570.00 3.50 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 1.20 10.80 885.00 885.00 885.00 885.00 10.80 885.00 885.00 885.00 885.00 885.00 10.80 885.00 885.00 885.00 885.00 885.00 10.80 885.00 885.	98 38VY 90 58VY 100 58VY 1102 1200 T1 Let	98 38VV 100 5HVV 101 1200 T1 LE 1	98 38VV 90 59VV 100 54VV 101 51VV 101 1200 114 1	98 38VV 90 54VV 100 54VV 101 88VV 102 12200 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 1220 1714 174 174 174 174 174 174 174 174 17	98 38VV 90 54VV 100 54VV 101 88VV 102 58VV 101 1200 T144	98 38VV 90 54VV 100 54VV 101 88VV 102 54VV 101 1200 114 1	98 38VV 90 54VV 100 5HVV 101 88VV 102 54VV 103 58VV 103 1200 T144	98 38VV 90 54VV 100 54VV 101 80VV 102 50VV 102 50VV 103 50VV 103 50VV 103 1200 T144 12	98 38VV 90 54VV 100 54VV 101 80VV 102 50VV 102 50VV 103 50VV 103 50VV 104 1200 T144 12

DATE	730403	DATE	730617	DATE	730911	DATE	731219
SPVY	106	SRVY	107	SRVY	108	SHVY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200

278.00	12.50	277.00	12.50	291.00	11.50	263.00	14.80
301.00	12.80	308.00	12.80	308.00	12.10	296.00	11.70
330.00	8.90	339.00	9.00	326.00	8.60	308.00	12.20
363.00	10.80	372.00	11.10	348.00	10.80	333.00	8.60
416.00	9.60	429.00	11.20	408-00	12.10	361.00	10.60
453.00	9.30	463.00	11.10	446.00	11.20	418-00	12.00
463-00	10.50	485.00	10.40	487.00	9.70	478.00	11.20
530.00	8.10	534.00	8.10	570.00	7.80	520.00	11.40
573.00	3.50	563.00	9.60	560.00	9.60	558.00	11.30
618.00	3.50	615.00	3.40	585.00	10.30	582.00	9.30
685.00	2.10	665.00	1.70	396.00	8.30	618.00	6.70
738.00	1.10	741.00	.60	028.00	9.50	653.00	6.30
768.00	50	784.00	60	636.00	8.40	688:00	3.40
				638.00	6.70	726.00	50
				671.00	2.20	750.00	-1.00

DATE SRVY TIME	720809 98 1200	DAJE SRVY TIME		DATF SRVV TIME		DATE SHVY TIME	1200	Savv Time	730206 102 1200	DATE SRVV TIME		DATE SRVV TIPE		DATE SAVY TIME	7303e4 105 1200
199.00 235.00 268.00 310.00 310.00 315.00 415.00 475.00 555.00 605.00 605.00	14 - 20 21 - 40 21 - 20 13 - 90 12 - 70 11 - 00 11 - 10 9 - 50 9 - 40 9 - 50 - 10 60	235.00 247.00 265.00 292.00 309.00 401.00 445.00 541.00 618.00 618.00 676.00 717.00	21.00 18.90 13.90 10.90 11.30 9.40 9.70 9.50 8.70 7.80 7.80	279.00 311.00 3340.00 394.00 409.00 471.00 575.00 577.00 637.00 637.00 771.00	15.50 12.90 10.60 11.50 12.40 11.50 11.10 10.70 11.70 11.60 6.80 3.70 1.20 .30	289.00 314.00 344.00 417.00 417.00 514.00 574.00 639.00 684.00 729.00	13.30 12.10 10.20 11.00 10.30 10.50 11.40 7.90 3.60 2.20	293,00 328,00 399,00 430,00 430,00 504,00 504,00 504,00 710,00	13.10 11.40 11.20 12.40 11.10 11.10 11.30 11.10 6.10	290.00 327.00 3592.00 440.00 450.00 528.00 569.00 569.00 740.00 600.00 600.00	11.10	290.00 310.00 330.00 393.00 427.00 471.00 500.00 535.00 517.00 617.00 617.00 617.00	12.90 10.50 11.20 11.20 10.80 11.10 10.80 11.10 9.00 8.60 6.40	260.00 311.00 322.00 372.00 370.00 427.00 447.00 522.00 614.00 722.00	13.50 12.80 11.50 10.30 11.50 12.70 11.10 11.10 8.00 5.70 3.30 2.20

PR	OF 1	LE	1
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DATE	730403	DATE	730612	DATE	730911	DATE	731219	
3 P V Y	106	SHVY	107	SRVY	108	S⊧VY	109	
7 I 4 E	1200	TIME	1200	TIME	1200	71 ME	1200	
			*****				*****	
291.00	13.10	294.00	13.00	297.00	13.20	282.00	14.20	
310.00	12.30	309.00	12.90	317.00	12.70	309.00	13.20	
343.00	10.40	345.00	10.20	341.00	10.60	334.00	10.90	
369.00	11.30	387.00	12.50	349.00	11.30	369.00	11.30	
400.00	9.70	454.00	10.80	349.01	12.60	392.00	12.80	
449.00	10.90	482.00	10.80	417.00	11.10	417.00	11.00	
496.00	11.00	544.00	10.80	442.00	10.90	469.00	10.90	
551.00	11-10	584.00	8.90	505.00	10.90	517.00	11.00	
589.00	8.30	632.00	10.10	546.00	10.70	559.00	11.10	
631.00	6.40	639.00	10.20	579.00	0.20	595.00	11.10	
683.00	4.90	644.00	0.00	605.00	10.40	654.00	10,40	
743.00	2.20	660.00	2.90	63A.00	10.20	659.00	7.40	
783.00	0.00	674.00	. 60	645.00	6.70	709.00	5.40	
799.00	-1.00	68A.00	30	665.00	5.30	732.00	2.60	
				693.00	-1.30	769.00	-,40	
						787.00	80	
							PROFILE	1

	720809	DATE	721103	DATE	721205	DATE	730103	DATE	730206		730213		730316		730324
5 R V Y	9.6	3411	99	SPVY	100	3 H V Y		SRVV	105	SRVY	103	SRVY	104	SRVY	105
T [► E	1200	TIME	1 ≥ 0 0	TIME	1500	TIME	1200	1 l × E	1200	TIME	1200	TIME	1500	TIME	1200
			*****				*****	****	*****				*****		
203.00	12.50	199.00	18.20	273.00	15.40	306.00	11.30	327.00	10.30	299.00	11.80	295.00	12:30	297.00	11.70
223.00	10.70	229.00	17.20	309.00		333.00		364.00	10.10	317.00	10.40	319.00	10.30	316.00	10.20
259.00	19.80	255.00	19.10	339.00		348.00	11.20	400.00	10.10	341.00	11.70	340.00	11.50	345.00	11.20
300 - 00	11.60	268,00	10.20	342.00		366.00	9.90	438.00	10.30	384.00	10.10	344.00	10.20	365.00	9.90
340.00	11.10	300.00	10.80	43A.00		398:00	10.00	484.00	10.20	438.00	10.10	394.00	10.00	402.00	10.10
348.00	10.20	358,00	11.00	491.00	9.70	438.00	10.30	527.00	9.10	480,00	10.20	434,00	10.20	434,00	10.30
440.00	9.90	395.00	10.3n	533.00		487.00		571.00	7.20	527.00	9.30	446.00	9.90	459.00	10.30
497.00	8.00	438.00	9,90	580.00		530.00	9.20	630.00	6.50	575.00	6.90	527.00	9.20	495.00	10.30
542.00	6.70	487.00	8.40	615-00		570.00	8.50	682.00	1.60	632.00	9.80	579.00	7.20	534.00	8.70
594.00	8 . 10	546+00	7.50	656.00		618.00		722.00	10	684.00	1.80	617.00	4.90	579.00	6.30
657.00	8.10	588 + 00	7.60	671+00		663+00	1.90	742.00	-1.20	749.00		660.00	2.60	631.00	3.60
677.00	.60	605.00	0.50	705.00		695.00	40			780.00		702.00	1.90	691.00	1.30
701.00		633.00	4.80	740.00		728+00	0.10					735.00	40		
		662.00	1.50	755.00		738.00	60					747.00	-1.50		
		695.00	.10	133400											

DATE	730403	DATE	730612	DATE	730911	DATE	731219	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	
11.00	1500	14.6	1600	1100	1500		151.0	
308.00	10.80	309.00	10.90	293.00	12.40	289.00	12.80	
344.00	11.30	347.00	11.60	317.00	11.50	315.00	10.30	
394.00	10.00	393.00	10.50	320.00	11.50	33A+00	11.30	
438.00	10.30	446.00	9.70	370.00	9.80	389.00	10.10	
488.00	9.40	477.00	9.10	438.00	10.30	43A.00	10.50	
516.00	9.50	493.00	8.80	487.00	10.00	486.00	9.50	
561.00	7.60	505.00	8.30	528.98	8.80	536+00	9.40	
616.00	5,30	523.00	0.00	535.00	7,80	583.00	8,80	
675.00	3.40	543.00	7.90	597.00	9.70	658.00	5.80	
723.00	1.80	56A.00	7.20	608.00	8.20	678.00	3.50	
756-00	40	633.00	4.50	645.00	7.70	723.00	2.00	
774-00	-1.50	683.00	3.00	670.00	8.40	746.00	1.20	
		735.00	.90	700.00	6.60	768:00	.40	
		779.00	10	748.00	5.20	790.00	0.00	
		788.00	-1.00	747-00	0.00			
				440 00	-1.10			

PROFILE 17

DATE	720809	DATE	721003	DATE	721205	DATE	730103	DATE	730206	SRVY		3 P V V		8 H V Y	730324
TIME	1500	T1™E	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1500	TIME	1200
••••			*****		•••••		*****	***	*****				*****		
218.00	13.50	253.00	21.60	297.00	15.00	308.00	12.50	308,00	12.30	306.00	12.90	396.00	10.80	302.00	13.40
240.00	18.40	245.00		308.00		336.00	11.50	345.00	12.20	338,00	11,90	404.00	12.60	321.00	11.60
253.00	21.50	277.00		\$49.00		366.00		396.00	10.80	396.00	10.60	421.00	11.50	34R.00	12.60
270.00	22.40	243.00		396.00		396+00	10.50	430.00	10.70	453.00	10.60	446.00	12.20	371.00	11.80
283.00	20.60	299.00		434-00		453.00	10.40	482.00	9.90	50A,00	8.90	535.00	10.70	396.00	11.00
308.00	12.60	320.00		478-00		484.00	9.70	530.00	8.40	558.00	6.80	588.00	9.60	448.00	10.40
349.00	11.70	350.00		526.00		546+00	9.00	581.00		017.00	3.60	624.00	8.40	499.00	8.80
396.00	10.20	396.00		569.00		605-00	5.00	632.00	5.70	681.00	1.10	656.00	7.10	556.00	6.50
464.00	9.60	431.00		623.00		656+00	2.30	687.00	2.10	737.00	50	693.00	9.00	607.00	4.20
527.00	6.90	469.00		655.00		700+00	.80	732.00	.60	766.00	-1.90	730.00	3.00	672.00	5.50
590.00	8.40	514.00		714-00		741 - 00	0.30	762.00	-1.30			765.00	1 . 60	702.00	1.20
649.00	3.90	547+00		744.00		759.00	= .70					794.00	.40		
669.00	1.10	559.00		754.00								817.00	60		
691.00	40	567.00		763.00								840.00	-1.30		
0.1100		596.00													

DATE	730403	DATE	730612	DATE	730911	DATE	731719	
SRVY	106	SHVY	107	3 P V Y	108	SHVY	109	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	
309.00	12.50	323.00	11.40	306.00	17.40	308.00	12.50	
352.00	12.30	352.00	13.20	373.00	11.40	336.00	11.50	
396.00	11.00	396.00	10.70	351.00	12.00	346.00	12.70	
435.00	10.70	438.00	10,40	380.00	11.50	396.00	10.90	
495.00	9.10	497.00	8,90	396.00	10.90	434.00	11.20	
548.00	7.20	540.00	7.80	431 -00	10.50	464.00	10.10	
603.00	4.40	592.00	7.50	475.00	9.70	516.00	10.20	
652.00	3.00	609,00	5.70	525.00	8.30	576.00	10,70	
697.00	2.00	678:00	7.70	540.00	10.30	606.00	8.70	
735.00	.40	694.00	9.20	542.00	9.30	646 - 00	5.90	
765.00	90	719.00	4.80	666 - 00	8.50	700.00	3.10	
781.00	-1.50	756.00	1.60	647.00	7.50	726.00	2.30	
		769.00	10	688.00	5.90	749.00	1.10	
		781.00	-1.10	733.00	2.60	766.00	.40	
			-	745.00	.60	782.00	20	

PROFILE 18

5RVY TIME	720809 98 1200	8HVY		SRVY		SHVY TIME	1200	Savv	1200	5RVY TIME	730213 103 1200	DATF SRVY TIME	1200	59 V V	730324 105 1200
	18.60		22.70 24.50 27.20 20.90 12.60 11.60 11.30 12.50 10.40		16.60 14.40 12.50 12.10 13.60 12.10 10.30 10.10 6.80 10.10	****	16.20 13.20 12.40 12.00 13.40 11.60 10.60 7.40 4.60 2.70	368.00 396.00 426.00 456.00 553.00 553.00 610.00 663.00 733.00	12.60 12.30 13.40 11.50 10.00 7,70 8.20 3.50	320.00 339.00 368.00 393.00 426.00 495.00 533.00 645.00 682.00	10.00 13.10 12.50 12.30 13.40 11.70 10.20 7.10 3.20 1.40 70	3/15 × 00 4/25 × 00 4/25 × 00 4/30 × 00 5/30 × 00 5/30 × 00 6/30 × 00 6/30 × 00 6/30 × 00 6/30 × 00 6/30 × 00	12.10 13.50 11.70 10.40 2.20 5.10 5.10 5.90 1.90	321.00 346.00 366.00 419.00 471.00 503.00 971.00	15.50 12.70 13.00 12.50 13.60 12.40 11.20 6.10 1.40 .70
		592.00 614.00 645.00	7.70 4.30	, , ,											

DATE	730403	DATE	730612	DATE	730911	DATE	731219	
8414	106	SRVY	107	SRVY	108	SHVY	109	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	
337.00	13.50	373.00	11.31	329.01	14.70	321.00	15.30	
368.00	13-10	42A.00	10.30	343.00	13.00	346.00	12.90	
398.00	12.50	452.00	12.00	348.00	12.90	368.00	13.10	
425.00	13.50	488.00	.70	391.00	12.40	394.00	12.40	
465.00	11-60	534.00	6.80	419.00	13.70	422.00	14.30	
493.00	8.70	564.00	5.80	441.00	11.90	446.00	12.10	
543.00	5.50	621.00	7.20	481.00	9.80	486.00	11.40	
602.00	3.40	658.00	6.87	519,00	8.10	516.00	11.50	
650.00	1.70	675.00	4.60	556.00	9.40	546.00	11.30	
685.00	.50	698.00	1.20	598.00	10.70	573.00	8.70	
713.00	40	715.00	-1.40	606.00	9.80	616.00	6.20	
740.00	-1.50			651.00	8.00	661.00	3.60	
				00.586	5.30	681.00	2.70	
				687.00	2.10	700.00	1.80	
				704.00	.20	721.00	10	
				776.00	-2.00			

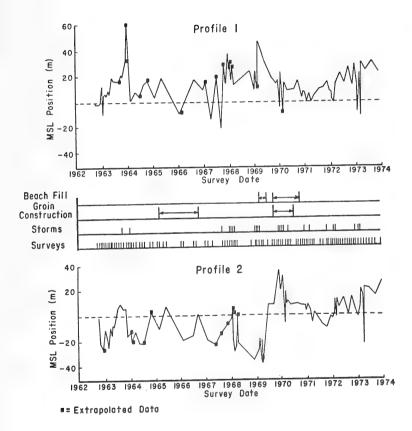
DATE	720809	DATE	721003	DATF	721205	DATE	730103	DATE	730206	DATE	730213	DATE	750316	DATE	730324
SRVY	98	9884	94	SRVY	100	SHVY	101	SRVY	105	SRVY	103	SRVY	104	2444	105
TIME	1200	TIME	1500	TIME	1500	TIME	1200	TIME	1200	TIME	1200	TIME		TIME	1500
			*****			****			*****						
203.00	10.60	270.00	29,40	310.00	19.00	326.00	14.10	326.00	14.20	326.00	14.10	326.00	13.90	326.00	14.10
232.00	17.50	289.00	26.30	313.00	10.50	342.00	12.40	362.00	11,60	340.00	12.40	341.00	12.00	340.00	12.40
258.00	26.80	309.00	16.30	326.00	14.20	370.00	11.40	392.00	12.80	346.00	12.80	395.00	12.70	366.00	11.70
270.00	29.40	326.00	14.10	341.00	12.50	393.00	12.60	404.00	10.50	368.00	11.40	401.00	10.80	391.00	12.80
240.00		354.00			11.40	406.00		432,00		366.00	12.70	421.00	13.50	406.00	
317.00	16.30	393.00	12.10	393.00	12.40	436.00	13.60	463.00		404.00	10.70	436.00	13.70	425.00	
326.00	14.20	405.00	10.40	403.00	10.40	465.00	11.00	534.00		431.00	13.60	455.00	11.50	440.00	
356.00	15.10	433.00	12.50	424.00		511.00	11.00	576.00		464.00	11.30	497.00	11.20	462.00	11.50
389.00		455.00	11.20	445.00		558.00		000.00		51R.00	11.30	546.00	11.50	445.00	
406.00	10.40	486.00	11.00	459.00		609.00	6.80	631.00		573.00	11.20	598.00	9.00	523.00	12.00
430.00		525.00	11.20	506.00		668.00		682.00		625.00	7.60	636.00	8.50	549.00	12.10
456.00	10.90	568 × 00	10.70	549.00		716-00		724.00		672.00	5.70	670.00	7.00	582.00	8.50
506.00	11.00	619.00	10.20	590.00		748.00		759.00	-2.00	720.00	2.00	698.00	.50	625.00	3.40
566.00	10.80	658 - 00		618.00		772.00	1.90			768.00	0.00	713.00	40	643.00	1.00
618.00		703.00		692.00						783.00	-1.00	734.00	-1.00		
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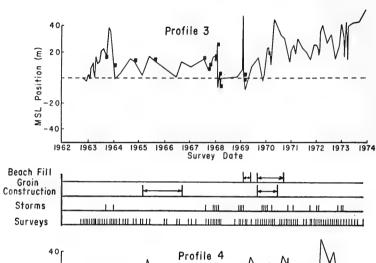
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326.00	14.10	369.00	11.50	320.00		326.00									
348.00	12.80	391.00		342.00	12.40	341.00	12.30								
373.00	11.00	403.00	11.20	370.00	11.30	371.00	11.60								
393.00	13.00	421.00	13.60	348.00	13.00	393.00	13.10								
403.00	11.40	465.00	11.20	404.00		408.00	11.20								
410.00	11.50	515.00	11.50	431.00	13.40	443.00	13.30								
441-00	13.10	558.00	11.10	460.00	11.40	463.00	12.70								
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615.00	7.40	693.00	-1.10	612.00	9.50	635+00	9.00								
635.00	4.30	043400	-1010	649.00		683.00	2.50								
706.00	1.40			680.00		705.00	1.30								
750.00				712.00	70	730.00	.40								
						746.00	10								
							• • • •								
							PROFI								
DATE	720809	DATE	721003	0478	721205	DATE	730103	0.75	730206	0495	730213		730316		730324
8RVY	98	SRVY	99	SRVV			101		102		103		104		105
	1200	TIME	1200		1200		1200		1200		1200		1200		1200
			*****		*****		*****								
515.00	51.50	275.00		301,00	20.30	320.00	15,50	\$20.00	15,40	326.00		326.00	15.30	326.00	15.50
242.00	18.30	288.00	23.50	350.00		363.00		374.00	11.40	366.00	11.60	360.00	11.00	344.00	13-20
270.00	26.40	300+00	50.50	347.00	11.20	398:00	9,90	431.00	10.20	424.00	10.00	418.00	9.80	363.00	11.50
277-00	56.50	326.00	15.50	411.00	9.50	451.00	10.20	481.00	10.90	490.00	10.90	468.00	10.30	388.00	10.80
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369.00	11.00	400.00	9.71	497.00	10.80	583.00	10.40	574.00	10.50	598.00	10.90	568.00	10.70	465.00	10.20
421.00	9.60	501.00	10.10	543.00	10.00	623.00	7.10	708.00	A.30	650.00	8.30	613.00	10.10	511.00	11.10
476.00	10.50	568.00	10.60	615.00	10.70	721.00	3.40	730.00	2.50	743.00	7.60	658.00	8.70 7.10	556.00	11.10
531.00	10.50	618.00	10.30	653.00	9.90	751 - 00	.40	755.00	30	808.00	-1.20	723.00	2.00	638.00	5.40
586.00	10.40	671.00	7.60	676.00	3.20	767.00	-1.30	. 55.00	- 630	00000	- 4 6 E U	743.00	1.10	685.00	2.40
628.00	10.40	713.00	7.90	700.00	2.00	00	-1420					765.00	90	-03800	40-0
656.00	5.00	741.00	4.80	719.00	1.10							, 53800	- 4 - 0		
676.00	3.00	773.00	.50	737.00	,10										
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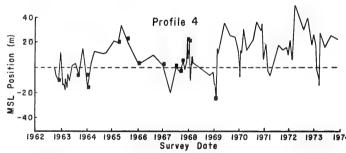
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SRV	¥ 106	SRVY	107	3 P V Y	108	5 × V Y	109
TIM	E 1200	71"E	1200	TIME	1200	TIME	1200
326.0	0 15.40	394.00	10.00	360.00	11.70	326.00	15.40
364.0	0 11-40	445.00	10.00	401.00	9.80	358.00	11.90
404.0	0 9.90	496.00	10.60	453.00	10.00	378.00	11.10
446.0	0 10.10	538.00	10.90	500.00	10.40	423.00	9,90
488.0	0 10.60	599.00	9.30	501.00	10.60	478.00	10.60
540.0	0 11.20	647.00	8.30	578.00	9.70	518.00	11.40
584.0	0 9.70	676.00	2.00	616.00	9.80	550.00	11.60
638.0	0 6.40	697.00	60	650.00	8.70	578.00	11.30
669.0	0 4.40			654.00	5.90	606.00	9.00
728.0	0 1.60			641.00	5.00	638.00	6.80
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				712.00	-2.00	718.00	.80
						714 . 00	- 30

APPENDIX C

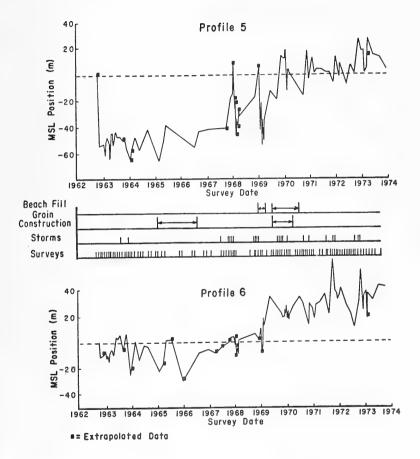
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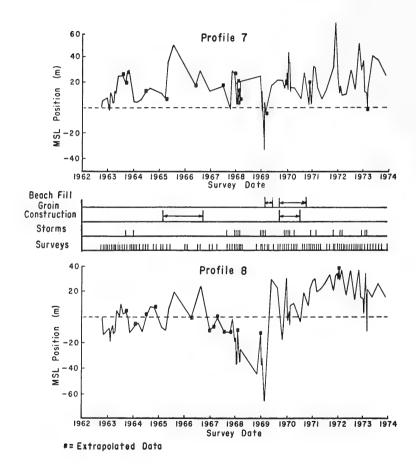


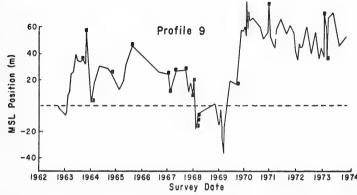


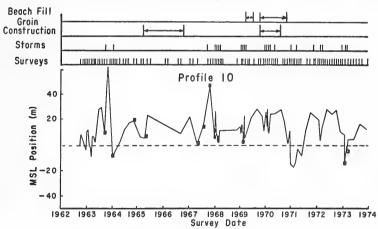


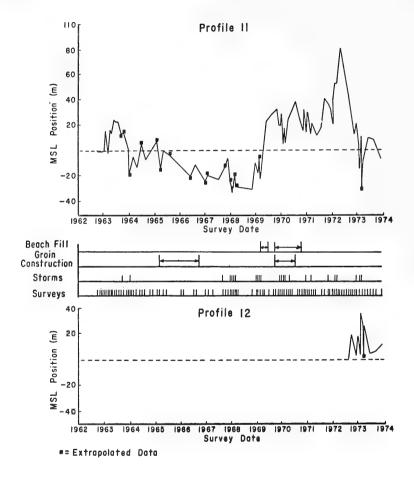
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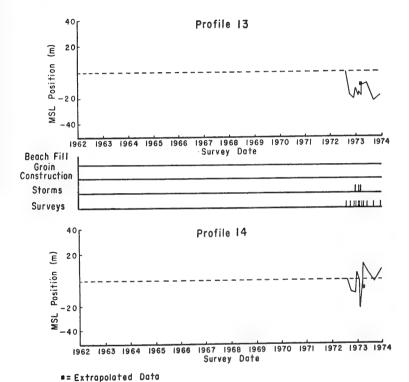


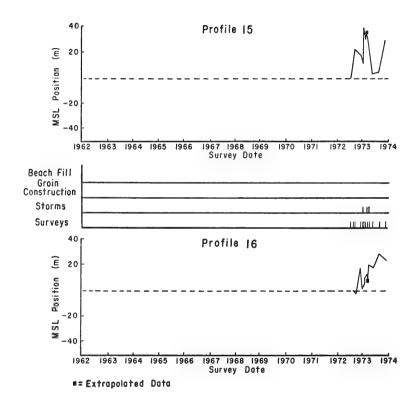


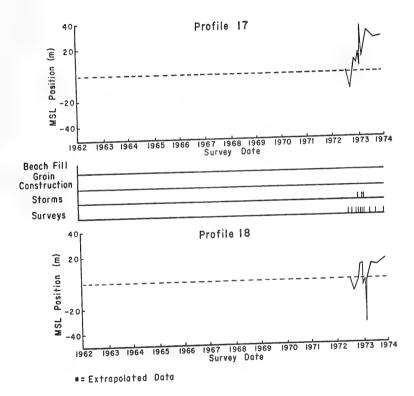


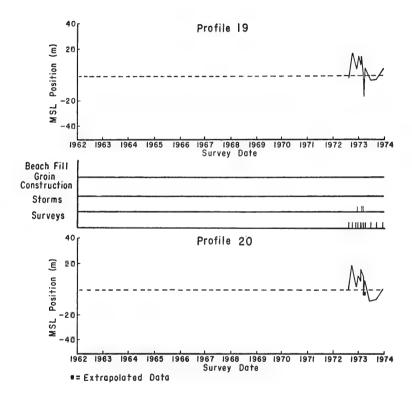






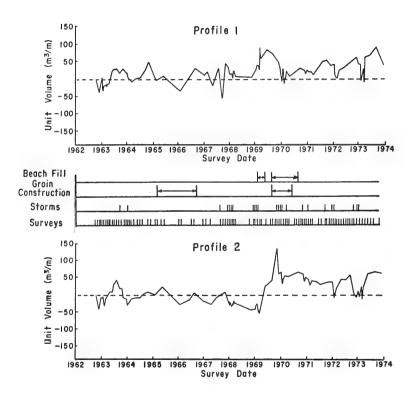


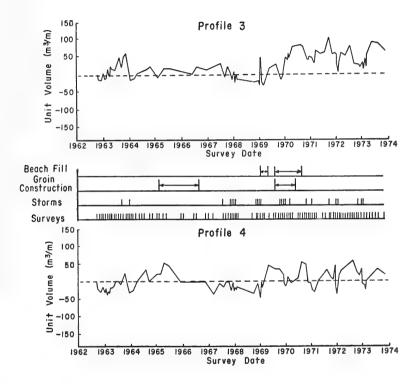


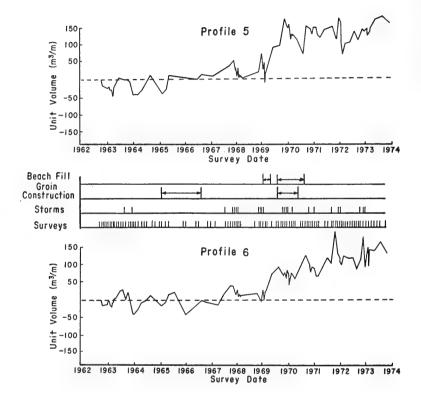


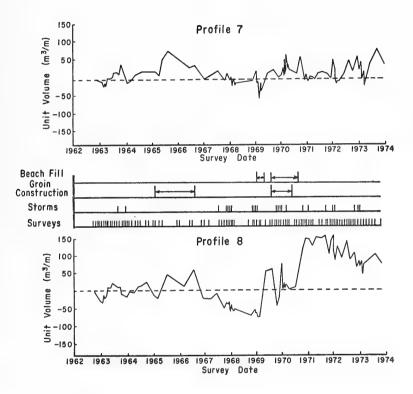
APPENDIX D

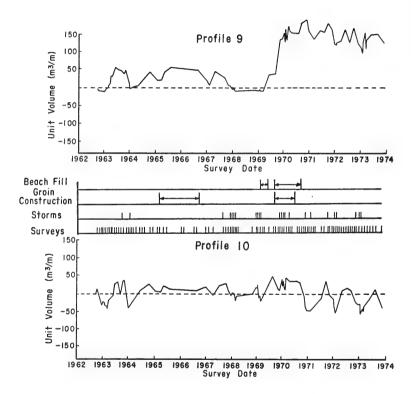
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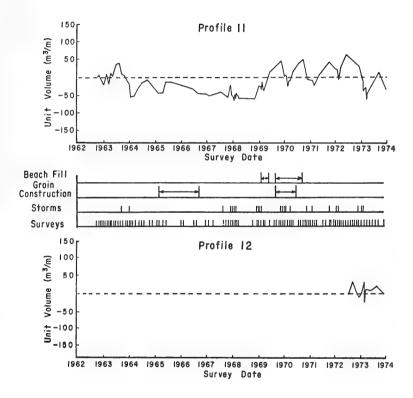


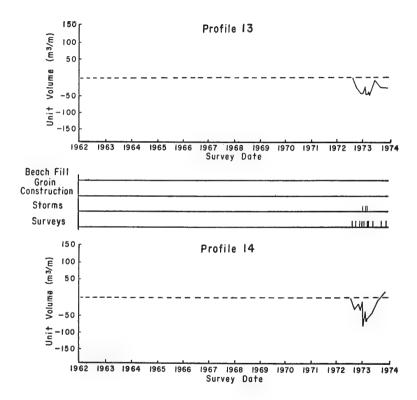


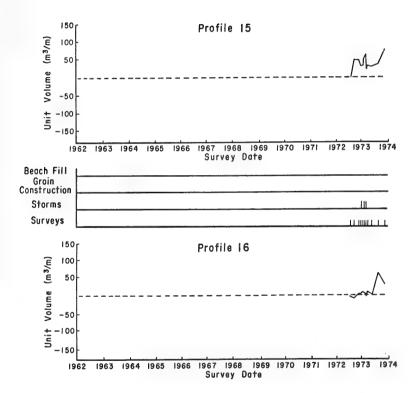


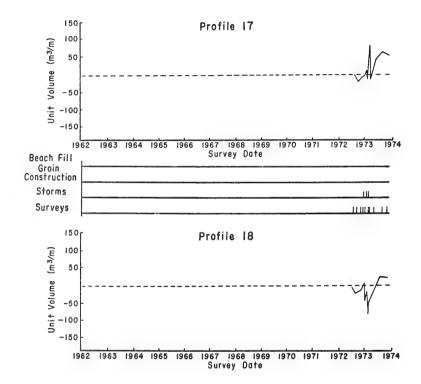


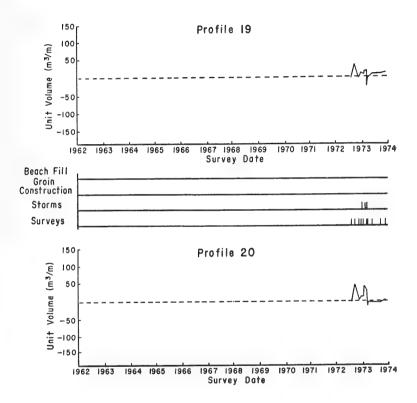








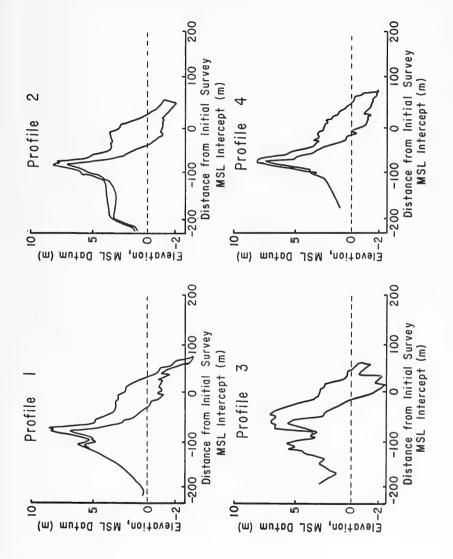


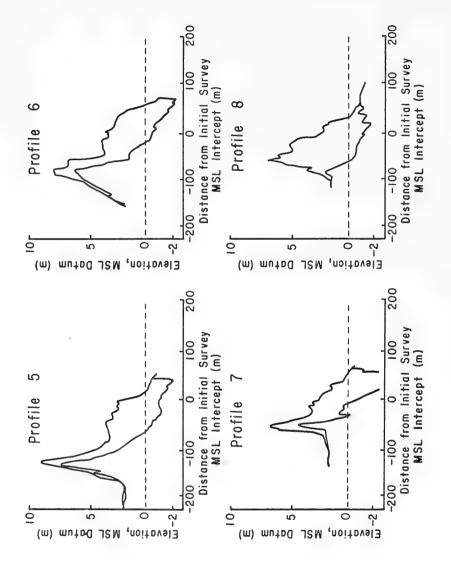


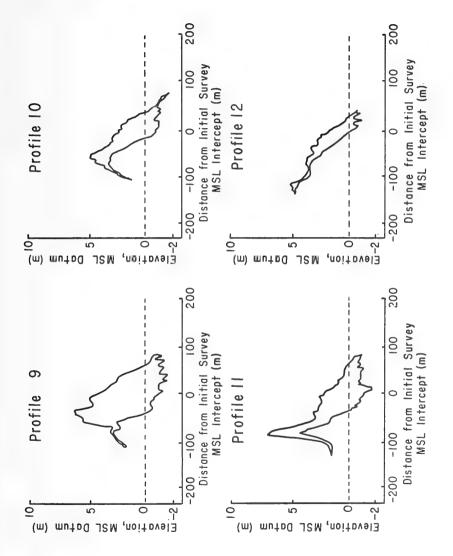
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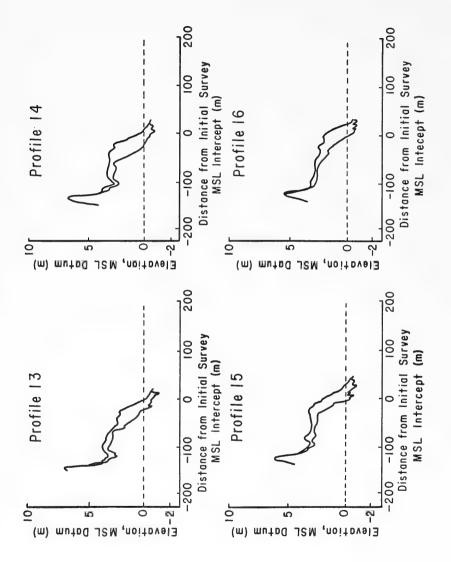
PROFILE ENVELOPES

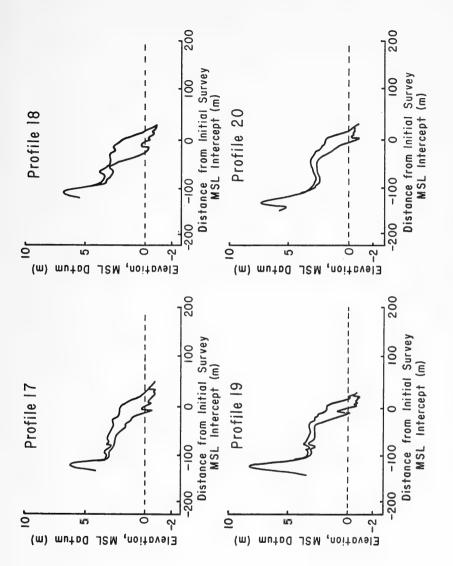
The profile envelopes in this appendix show the maximum and minimum elevations measured along each profile line. The seaward ends of the profile surveys have been connected by the automatic plotter, but do not represent actual profile closure. Since these are envelopes, the plotted upper and lower bounds do not necessarily represent a profile that existed during any of the surveys.











DeWall, Allan E.

DeWall. - Ft. Belvoir, Va. : U.S. Coastal Engineering Research Center; Beach changes at Westhampton Beach, New York, 1962-73 / by Allan E. Springfield, Va. : available from National Technical Information Service, 1979.

129 p. : ill. ; 27 cm. - (Miscellaneous report - U.S. Coastal Engineering Research Center ; no. 79-5)

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Engineering Research Center ; no. 79-5) Bibliography : p. 34.

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Beach changes at Westhampton Beach, New York, 1962-73 / by Allan E.

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129 p. : ill. ; 27 cm. - (Miscellaneous report - U.S. Coastal Engineering Research Center; no. 79-5) Service, 1979.

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